

**CAMU GROUNDWATER MONITORING REPORT**  
**3rd QUARTER 2009**

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

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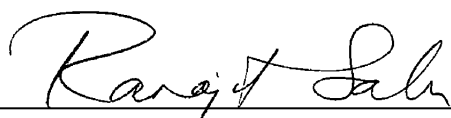
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**NOVEMBER 2009**

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.



November 10, 2009

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

Date

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## TABLE OF CONTENTS

|            |   |            |
|------------|---|------------|
| <b>1.0</b> | <b>INTRODUCTION.....</b>                        | <b>1-1</b> |
| 1.1        | SITE LOCATION AND DESCRIPTION .....             | 1-1        |
| 1.2        | SITE HYDROGEOLOGY .....                         | 1-3        |
| 1.3        | REPORT CONTENT AND ORGANIZATION.....            | 1-4        |
| <b>2.0</b> | <b>GROUNDWATER MONITORING PROGRAM.....</b>      | <b>2-1</b> |
| 2.1        | CAMU MONITORING WELL NETWORK .....              | 2-1        |
| 2.2        | FIELD MEASUREMENTS .....                        | 2-2        |
| 2.3        | SAMPLE COLLECTION .....                         | 2-3        |
| 2.4        | DECONTAMINATION PROCEDURES.....                 | 2-4        |
| 2.5        | MANAGEMENT OF INVESTIGATION-DERIVED WASTE ..... | 2-5        |
| 2.6        | ANALYTICAL PROGRAM .....                        | 2-5        |
| 2.7        | ANALYTICAL LABORATORIES.....                    | 2-6        |
| 2.8        | QUALITY ASSURANCE/QUALITY CONTROL.....          | 2-7        |
| 2.9        | DATA REVIEW AND VALIDATION.....                 | 2-7        |
| <b>3.0</b> | <b>GROUNDWATER MONITORING RESULTS.....</b>      | <b>3-1</b> |
| 3.1        | GROUNDWATER CONDITIONS .....                    | 3-1        |
| 3.1.1      | Depth to Groundwater.....                       | 3-1        |
| 3.1.2      | Groundwater Flow Direction .....                | 3-1        |
| 3.2        | ANALYTICAL RESULTS.....                         | 3-1        |
| 3.3        | RECOMMENDATIONS .....                           | 3-4        |
| <b>4.0</b> | <b>REFERENCES.....</b>                          | <b>4-1</b> |

## **LIST OF FIGURES**

|            |   |
|------------|---|
| Figure 1-1 | Site Location Map   |
| Figure 1-2 | Potential Upgradient Source Areas   |
| Figure 2-1 | CAMU Area Monitoring Program  |
| Figure 3-1 | Potentiometric Surface Map of the Shallow Water-Bearing Zone Wells–<br>3 <sup>rd</sup> Quarter 2009 |

## **LIST OF TABLES**

|            |   |
|------------|---|
| Table 2-1  | Wells Included in CAMU Area Monitoring Program                          |
| Table 2-2  | Construction Details for Wells Included in CAMU Area Monitoring Program |
| Table 2-3  | Analytical Program for CAMU Area Monitoring Events                      |
| Table 2-4  | Analytes Included in CAMU Area Monitoring Program                       |
| Table 2-5  | Sampling Requirements   |
| Table 2-6  | Data Validation Qualifiers and Reason Codes                             |
| Table 3-1  | Historical Groundwater Elevation Data                                   |
| Table 3-2  | Groundwater Summary of Sample Results                                   |
| Table 3-3  | Volatile Organic Compound (VOC) Results                                 |
| Table 3-4  | Semi-Volatile Organic Compound (SVOC) Results                           |
| Table 3-5  | Polynuclear Aromatic Hydrocarbons (PAH) Results                         |
| Table 3-6  | Organochlorine Pesticide Results  |
| Table 3-7  | Total Metals Results  |
| Table 3-8  | Dioxins/Furans Results  |
| Table 3-9  | Polychlorinated Biphenyls (PCB) Results                                 |
| Table 3-10 | General Chemistry and Perchlorate Results                               |
| Table 3-11 | General Water Quality Results   |
| Table 3-12 | Radionuclide Results  |
| Table 3-13 | Methyl Mercury and White Phosphorus Results                             |
| Table 3-14 | Cation-Anion Balances   |



## **APPENDICES**

- A NDEP Comments and BRC's Response to Comments
- B Electronic Database and Electronic Copy of the Report
- C Sampling Forms and Well Hydrographs
- D Concentration Trend Graphs
- E Concentration Figures – 3<sup>rd</sup> Quarter 2009

## ACRONYMS AND ABBREVIATIONS

|        |  |
|--------|--|
| amsl   | above mean sea level                             |
| ATL    | Advanced Technology Laboratories                 |
| BCL    | Basic Comparison Levels                          |
| 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                   |
| 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      |
| OCp    | organochlorine pesticide                         |
| PAH    | polynuclear aromatic hydrocarbons                |
| PCB    | polychlorinated biphenyls                        |
| 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 compounds                  |
| TA     | TestAmerica Laboratories                         |
| TDS    | total dissolved solids                           |
| VOC    | volatile organic compound                        |
| UMCf   | Upper Muddy Creek formation                      |
| USEPA  | U.S. Environmental Protection Agency             |

## 1.0 INTRODUCTION

Basic Remediation Company (BRC) has prepared this Groundwater Monitoring Report to describe activities and data collected during monitoring performed during the third quarter of 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). 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, 2009.

This report incorporates comments received from the NDEP, dated October 2, 2009, on the *CAMU Groundwater Monitoring Report 1st and 2nd Quarters 2009* (BRC and ERM 2009a) dated September 2009. The NDEP comments and BRC's response to these comments are included in Appendix A.

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/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 Chlor Alkali Products (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,<sup>1</sup> 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).

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<sup>1</sup> 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).

## 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 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<sup>2</sup>). 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.

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<sup>2</sup> Note: hydrogeologic and lithologic nomenclature is based on NDEP (2009a).

- (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).

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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event conducted in the CAMU Area. Interpretation of these results will be provided after the conclusion of four quarters of monitoring. Following this introductory section, this report includes the following:

- Section 2 describes the activities during the 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 monitoring event, including groundwater depth and flow direction and chemical detections.
- Section 4 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 the 3<sup>rd</sup> Quarter 2009 groundwater monitoring event.

## 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 2008) and the Quality Assurance Project Plan (QAPP; BRC and ERM 2009b).

The following sections briefly describe the field procedures and analytical program implemented by BRC contractors during field activities associated with the CAMU 3<sup>rd</sup> 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, six wells in the monitoring program are screened in the Middle Zone, and three wells are screened in the Deep Zone.

Table 2-3 identifies the monitoring activities that are associated with each well in the program. For fifteen of these CAMU Area wells (all Shallow Zone), quarterly monitoring 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 is to be used to augment BRC's CAMU area data. It should be noted that three wells listed in the GMP as proposed wells (*i.e.*, P1, P2, and P3) were installed in June 2009 (MC-MW-31, MC-MW-30, and MC-MW-28, respectively). Construction details for these wells are provided in Table 2-2. Water level data were collected during the monitoring event and are presented in Table 3-1 for all wells specified in the GMP, except the following:

- Shallow Zone wells MC80<sup>3</sup>, AA-BW-12A, and MCF-BW-11A; and
- Deep Zone well MC-MW-28.

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

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<sup>3</sup> Well MC80 could not be located and is presumed destroyed.

- Shallow: MC-80, AA-BW-12A, MCF-BW-11A
- Middle: MC-MW-10, MC-MW-11, MC-MW-12, MC-MW-31 (formerly P1), MC-MW-30 (formerly P2), TR-11
- Deep: MW-8, MC-MW-28 (formerly P3), TR-12

BRC contacted the upgradient Companies; however, because the upgradient Companies' monitoring programs were not finalized and approved by NDEP prior to the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event, they did not collect groundwater samples from these wells during the 3<sup>rd</sup> Quarter 2009. Subsequent water quality data from these wells will be incorporated in future groundwater monitoring reports.

## 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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event, water level measurements and groundwater samples were collected by BRC between July 16, 2009, and July 30, 2009. In addition, the upgradient Companies collected water level measurements on July 15, 2009. Equipment used and the various observations and measurements collected during well purging activities for the CAMU 3<sup>rd</sup> 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 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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event are discussed in Section 3.1.

## 2.3 SAMPLE COLLECTION

BRC contractors used the micro-purge and sampling methodology for the CAMU 3<sup>rd</sup> 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<sup>®</sup> Well Wizard (A-system) dedicated bladder pumps for the monitoring and sampling of wells at the Site. QED<sup>®</sup> 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<sup>®</sup> 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 3<sup>rd</sup> 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 2008). Adherence to these procedures promotes consistency in field procedures and comparability of data collected over time.

Field quality control (QC) measures implemented during the quarterly groundwater sampling 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 H-28 and M7B during the CAMU 3<sup>rd</sup> 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<sup>TM</sup>/Alconox<sup>TM</sup>).

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 3<sup>rd</sup> 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 3<sup>rd</sup> 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 15 monitoring wells were analyzed for a broad spectrum of chemical analytes and chemical classes during the CAMU 3<sup>rd</sup> 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 (OCPs), PCBs, dioxins/furans, methyl mercury, and white phosphorus. Analyses were performed as specified in the GMR 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 GMR for these four wells;
- The samples from well AA-MW-07 were not analyzed for SVOCs or radionuclides, as specified in the GMR; and
- The upgradient Companies collected a sample from well H-21R for VOC analysis (results presented in the figures in Appendix E for specific constituents); BRC collected samples for the remaining analyses specified in the GMR except SVOCs, which were not analyzed.

Analytical results are described in Section 3.2.

## 2.7 ANALYTICAL LABORATORIES

The following Nevada-certified laboratories were utilized during the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event:

| <u>Laboratory Name</u>                                      | <u>Location</u>                | <u>Analyses Performed</u>  |
|---|--------------------------------|--|
| TestAmerica Laboratories<br>(TA St. Louis)                  | Earth City, Missouri           | Alkalinity, Anions, Ion Balance,<br>TDS, Metals/Hardness, OCPs, VOCs |
| TestAmerica Laboratories<br>(TA West Sacramento)            | West Sacramento,<br>California | PCBs, Dioxins/Furans   |
| TestAmerica Laboratories<br>(TA Irvine)                     | Irvine, California             | Chlorite   |
| General Engineering<br>Laboratories (GEL)                   | Charleston, South<br>Carolina  | Perchlorate, SVOCs, PAHs,<br>Radionuclides, Radon                    |
| Advanced Technology<br>Laboratories (ATL)                   | Las Vegas, Nevada              | Hexavalent Chromium  |
| Brooks Rand Labs  | Seattle, Washington            | Methyl Mercury   |
| ALS Laboratory Group<br>(formerly DataChem<br>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 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event (DVSR 55c) has been prepared and submitted separately as a stand-alone report by BRC and ERM (2009c). DVSR 55c is currently in review by the NDEP.

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 (99.87 percent of the CAMU 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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 25 wells across the Site during the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event. During the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event, excluding the artesian wells, depth to groundwater measurements ranged from 26.18 below top of casing (btoc; well MC-MW-30) to 57.60 feet btoc (well MC-MW-11). The highest groundwater elevation during the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event was 1805.94 feet above mean sea level (amsl) in artesian well MW-8. The lowest groundwater elevation during the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event was 1688.19 feet amsl in well MC-MW-31. Well-specific measured depths to water and calculated groundwater elevations for the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event are presented in Groundwater Elevation Data Table 3-1, and 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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event varies from the northeast to the northwest, at an average gradient of 0.013 feet per foot to 0.015 feet per foot.

#### **3.2 ANALYTICAL RESULTS**

Groundwater analytical results are presented in this section for the CAMU 3<sup>rd</sup> 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 groundwater analytical results from the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event are presented in Table 3-2. Groundwater analytical results for the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event and prior historical sampling events are presented by individual chemical class in Tables 3-3 through 3-14.

As summarized in Table 3-2, data collected during the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event were subjected to a basic statistical analysis (per event and combined); the tables present 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). 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:

| <b><u>Compound Class</u></b> | <b><u>Example Analyte Presented Graphically</u></b>                                      |
|------------------------------|--|
| Metals                       | Arsenic  |
| Organochlorine Pesticides    | alpha-BHC  |
| VOCs                         | Benzene<br>Chlorobenzene<br>Chloroform<br>1,4-Dichlorobenzene<br>Tetrachloroethene (PCE) |
| SVOCs                        | Pentachlorophenol  |
| Radionuclides                | Radium-226/228 (sum)<br>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 CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event. These twelve analytes were generally selected because they were routinely detected at concentrations in excess of applicable screening levels during historical monitoring events (see Table 3-2 for screening level exceedances associated with the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event). As seen in Table 3-2, additional analytes (*i.e.*, beyond those depicted graphically) exceeded screening levels during the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event.



As part of the data review process, BRC in conjunction with the Site laboratory performed tests for cation-anion balances, TDS checks, and TDS and electrical conductivity checks for data generated during the CAMU 3<sup>rd</sup> 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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event, sample pH ranged from 6.41 to 7.29. 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 3<sup>rd</sup> 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 0.45 and 5.78 percent. Fourteen 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.

Based on these data, as presented in Table 3-14, all but one of the 16 cation-anion balances were within acceptable range of 5 percent. The sample with variances outside the acceptable range was associated with well AA-BW-03A. TDS laboratory/sum ratio checks were within acceptable result ratios of 1.0 – 1.2 in only six of the 17 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 not within acceptable ratios of 0.55 – 1.0 in any of the 17 samples. This test may also be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution requirements. Furthermore, the Specific Conductance field measurements used in these tests are suspect because the reported values are an order of magnitude lower than observed during prior monitoring events. BRC suspects that the field equipment used to measure specific conductance in the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event may have been faulty. 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).

### 3.3 RECOMMENDATIONS

BRC proposes the following actions for the Site associated with the BRC CAMU groundwater monitoring program:

- BRC proposes to conduct a field inspection prior to the CAMU 4<sup>th</sup> Quarter 2009 groundwater monitoring event to locate well MC80. If found, the well will be visually inspected to determine its suitability for use in the CAMU monitoring program. Based on those observations, BRC will report to NDEP with a determination of whether the well is to be maintained in or removed from the monitoring program.
- Consistent with previous monitoring events, the groundwater data collected from the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event, as depicted in chemical occurrence maps presented in Appendix E, indicate that elevated concentrations of contaminants reported in samples collected from area wells can be attributed to upgradient off-site sources. BRC recommends that continued up-gradient evaluation of groundwater quality be performed to determine the primary source of the contamination reported at the Site.

#### 4.0 REFERENCES

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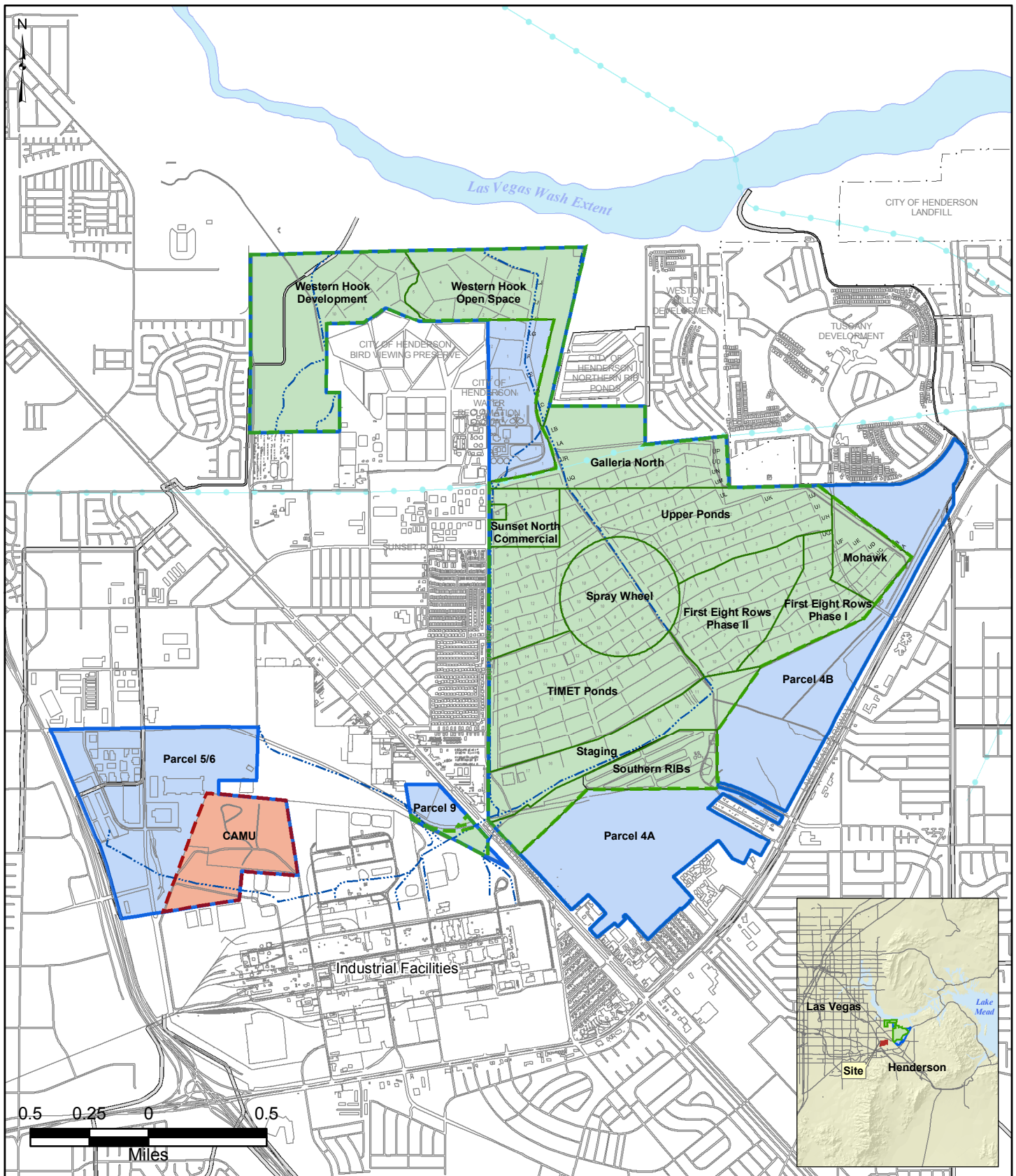
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## FIGURES



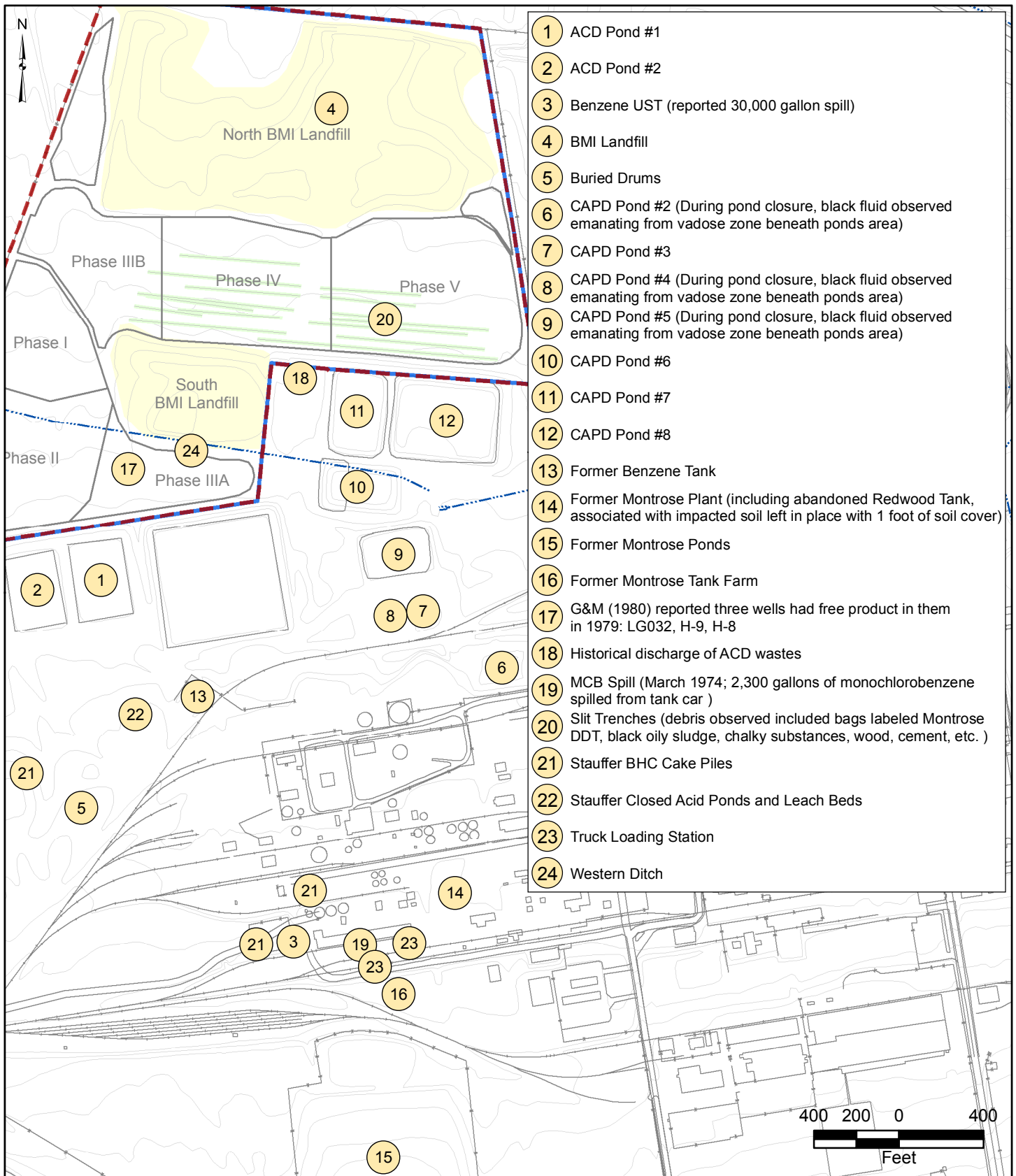
- Site AOC3 Boundary
- Site Soil Boundary
- CAMU Site

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

FIGURE 1-1  
SITE LOCATION MAP







- 1 ACD Pond #1
- 2 ACD Pond #2
- 3 Benzene UST (reported 30,000 gallon spill)
- 4 BMI Landfill
- 5 Buried Drums
- 6 CAPD Pond #2 (During pond closure, black fluid observed emanating from vadose zone beneath ponds area)
- 7 CAPD Pond #3
- 8 CAPD Pond #4 (During pond closure, black fluid observed emanating from vadose zone beneath ponds area)
- 9 CAPD Pond #5 (During pond closure, black fluid observed emanating from vadose zone beneath ponds area)
- 10 CAPD Pond #6
- 11 CAPD Pond #7
- 12 CAPD Pond #8
- 13 Former Benzene Tank
- 14 Former Montrose Plant (including abandoned Redwood Tank, associated with impacted soil left in place with 1 foot of soil cover)
- 15 Former Montrose Ponds
- 16 Former Montrose Tank Farm
- 17 G&M (1980) reported three wells had free product in them in 1979: LG032, H-9, H-8
- 18 Historical discharge of ACD wastes
- 19 MCB Spill (March 1974; 2,300 gallons of monochlorobenzene spilled from tank car )
- 20 Slit Trenches (debris observed included bags labeled Montrose DDT, black oily sludge, chalky substances, wood, cement, etc. )
- 21 Stauffer BHC Cake Piles
- 22 Stauffer Closed Acid Ponds and Leach Beds
- 23 Truck Loading Station
- 24 Western Ditch

- CAMU Site
- Site Groundwater Boundary
- Slit Trenches

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

FIGURE 1-2

POTENTIAL UPGRADIENT  
SOURCE AREAS

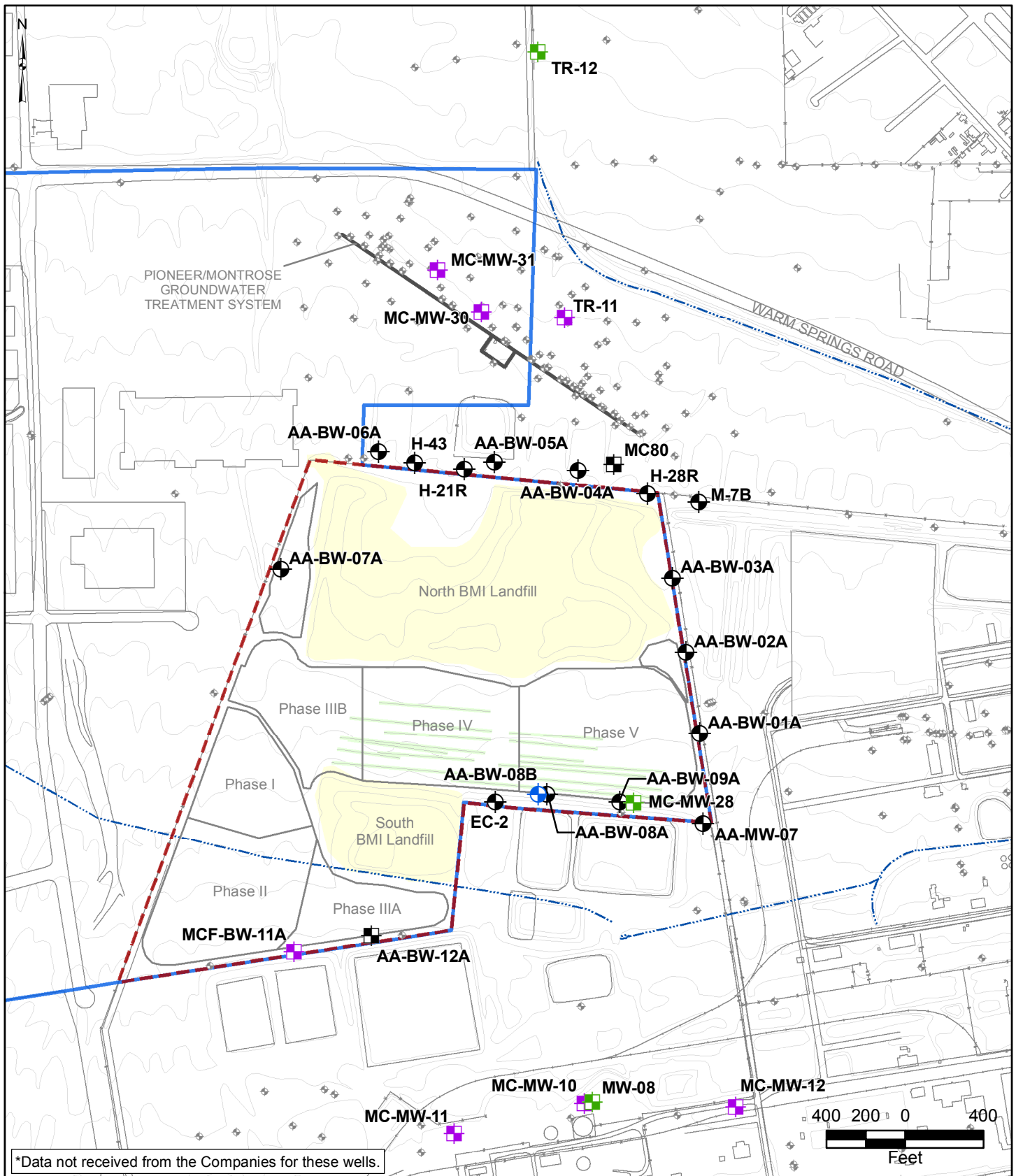


Prepared by  
MKJ (ERM)



Date  
11/05/09

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FILE: GIS/BROCAMU\_GMR/FIGURE\_1-2.MXD



- CAMU Site
- Site Groundwater Boundary
- Slit Trenches
- Other Monitoring Wells

#### CAMU Monitoring Program Wells

- Shallow Zone Well, Monitored by BRC
- Shallow Zone Well, Monitored by Companies\*
- Middle Zone Well, Monitored by Companies\*
- Deep Zone Well, Monitored by Companies\*
- Shallow Zone Well, Water Level Only

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

FIGURE 2-1

### CAMU AREA MONITORING PROGRAM



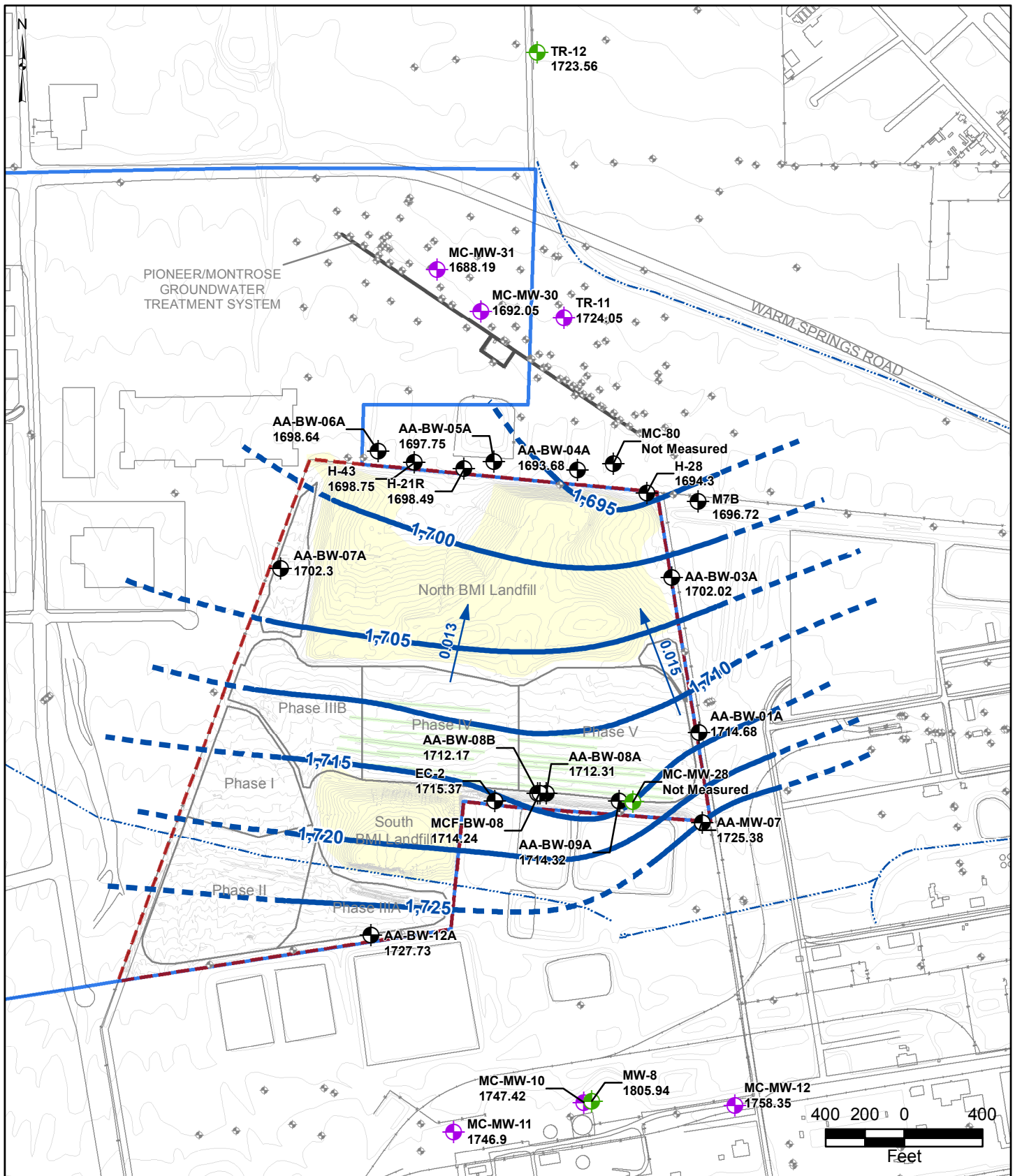
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MKJ (ERM)



Date  
11/05/09

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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  
3RD QUARTER 2009



Prepared by  
MKJ (ERM)



Date  
11/09/09

JOB No. 0074742  
FILE: GIS/BRC/CAMU/FIGURE\_3-1.MXD

## TABLES

**TABLE 2-1**  
**WELLS INCLUDED IN CAMU AREA MONITORING PROGRAM**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 1 of 1)

| 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  |
| <b>AA-BW-12A</b>  | <b>BRC</b>       | <b>49</b>                       | <b>69</b>                          | <b>Shallow</b>      | <b>Monitors impacts upgradient of southwest CAMU</b>   |
| 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        | 40                              | 50                                 | 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 <sup>a</sup> | 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                                    |
| <b>MCF-BW-11A</b> | <b>BRC</b>       | <b>57</b>                       | <b>72</b>                          | <b>Shallow</b>      | <b>Monitors UMCf water levels, vertical gradients, and deeper impacts upgradient of southwest CAMU</b> |
| <b>MC-MW-10</b>   | <b>Companies</b> | <b>85</b>                       | <b>115</b>                         | <b>Middle</b>       | <b>Monitors upgradient impacts in plants area</b>  |
| <b>MC-MW-11</b>   | <b>Companies</b> | <b>100.5</b>                    | <b>120.5</b>                       | <b>Middle</b>       | <b>Monitors upgradient impacts in plants area</b>  |
| <b>MC-MW-12</b>   | <b>Companies</b> | <b>100</b>                      | <b>120</b>                         | <b>Middle</b>       | <b>Monitors upgradient impacts in plants area</b>  |
| <b>MW-8</b>       | <b>Companies</b> | <b>275</b>                      | <b>295</b>                         | <b>Deep</b>         | <b>Monitors upgradient impacts in plants area</b>  |
| <b>MC-MW-28</b>   | <b>Companies</b> | <b>--</b>                       | <b>--</b>                          | <b>Deep</b>         | <b>Well that will monitor upgradient impacts</b>   |
| <b>MC-MW-30</b>   | <b>Companies</b> | <b>--</b>                       | <b>--</b>                          | <b>Middle</b>       | <b>Well that will monitor downgradient impacts</b>   |
| <b>MC-MW-31</b>   | <b>Companies</b> | <b>--</b>                       | <b>--</b>                          | <b>Middle</b>       | <b>Well that will monitor downgradient impacts</b>   |
| <b>TR-11</b>      | <b>Companies</b> | <b>210</b>                      | <b>230</b>                         | <b>Middle</b>       | <b>Monitoring multiple impacts to north of CAMU (downgradient of extraction wells)</b>                 |
| <b>TR-12</b>      | <b>Companies</b> | <b>272</b>                      | <b>292</b>                         | <b>Deep</b>         | <b>Monitoring multiple impacts to north of CAMU (downgradient of extraction wells)</b>                 |

Notes:

ft bgs = feet below ground surface

-- = data not available

Wells with bold font in shaded cells were to be sampled by the Companies during the 3rd Quarter 2009 CAMU monitoring event; however, they did not collect groundwater samples from these wells during the 3rd Quarter 2009. Therefore, these data were not available to BRC at the time of the report submittal.

<sup>a</sup>Well can not be located and is presumed destroyed.

**TABLE 2-2**  
**CONSTRUCTION DETAILS FOR WELLS INCLUDED IN CAMU AREA MONITORING PROGRAM**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 1 of 1)

| Well ID    | Owner     | Date Installed | TOC Elevation<br>(ft amsl) | Grade Elevation<br>(ft amsl) | Depth to Qal/UMCF<br>Contact (ft bgs) | Depth to Top of<br>Screen (ft bgs) | Depth to Bottom of<br>Screen (ft bgs) | Screen Length (ft) | Units Screened | Hydrogeologic Zone | Total Borehole<br>Depth (ft bgs) | Contact Elevation<br>(ft amsl) | Screen Top<br>Elevation (ft amsl) | Screen Bottom<br>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/TMC 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/TMC 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/TMC 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/TMC 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/TMC 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/TMC 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/TMC 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/TMC 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/TMC 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       | --                         | --                           | 66                                    | 50                                 | 70                                    | 20                 | Qal/TMC 4'     | Shallow            | 70                               | --                             | --                                | --                                   | Sch 40 PVC         | 4                 | 0.02                 | Yes                 |
| H-21R      | Companies | 02/21/80       | 1729.45                    | 1728.35                      | 45.5                                  | 40                                 | 50                                    | 10                 | Qal/TMC 9.5'   | Shallow            | 101                              | 1682.85                        | 1688.35                           | 1678.35                              | Steel              | 8/6               | slotted              | Yes                 |
| H-28       | Companies | 02/18/80       | 1730.33                    | 1729.13                      | 44.5                                  | 37.4                               | 50.5                                  | 13.1               | Qal/TMC 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       | --                         | --                           | 29.5                                  | 25.5                               | 50.5                                  | 25                 | Qal/TMC 21'    | Shallow            | 52.5                             | --                             | --                                | --                                   | PVC                | 2                 | 0.02                 | Yes                 |
| MC-80      | Companies | 08/09/83       | --                         | --                           | 46                                    | 38                                 | 48                                    | 10                 | Qal/TMC 2'     | Shallow            | 48                               | --                             | --                                | --                                   | PVC                | 2                 | 0.02                 | Yes                 |
| MCF-BW-08  | BRC       | 03/14/05       | 1763.39                    | 1761.52                      | 57                                    | 77                                 | 87                                    | 10                 | TMC 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                 | TMC 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                 | TMC            | 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                 | TMC            | 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                 | TMC            | 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                 | TMC cg         | Deep               | 302                              | 1746.95                        | 1525.95                           | 1505.95                              | St.Steel           | 4                 | 0.02                 | Yes                 |
| MC-MW-28   | Companies | 06/24/09       | 1763.03                    | 1760.62                      | 65                                    | 260                                | 230                                   | 30                 | TMC            | Deep               | 295                              | 1695.62                        | 1500.62                           | 1530.62                              | St.Steel           | 4                 | 0.01                 | Yes                 |
| MC-MW-30   | Companies | 06/05/09       | 1718.23                    | 1715.64                      | 31                                    | 36.5                               | 46.5                                  | 10                 | TMC            | 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                 | TMC            | Middle             | 150                              | 1680.47                        | 1674.97                           | 1664.97                              | Sch 80 PVC         | 2                 | 0.01                 | Yes                 |
| TR-12      | Companies | 10/16/99       | --                         | --                           | 43                                    | 272                                | 292                                   | 20                 | TMC cg         | Deep               | 292.5                            | --                             | --                                | --                                   | PVC                | 4                 | 0.02                 | Yes                 |
| TR-2       | Companies | 09/08/99       | --                         | 1750.00                      | 37                                    | 140                                | 170                                   | 30                 | TMC cg         | Middle             | 180                              | 1713                           | 1610                              | 1580                                 | --                 | --                | --                   | 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**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 1 of 2)

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

**TABLE 2-3**  
**ANALYTICAL PROGRAM FOR CAMU AREA MONITORING EVENTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 2 of 2)

| Well ID | Owner     | Frequency | Field Sampling          |                  |  |                        | Laboratory Analytical Suite |      |       |                           |        |  |                               |                             |                                  |   |
|---------|-----------|-----------|-------------------------|------------------|--|------------------------|-----------------------------|------|-------|---------------------------|--------|--|-------------------------------|-----------------------------|----------------------------------|---|
|         |           |           | Water Level Measurement | NAPL Measurement | Dissolved Oxygen (field) per SOP <sup>5a</sup> | Water Quality Sampling | General Chemistry and Ions  | VOCs | SVOCs | Organochlorine Pesticides | Metals | Water Quality Parameters including TDS | Radionuclides including Radon | Dioxins/Furans <sup>b</sup> | PCBs (w/ Congeners) <sup>b</sup> | White Phosphorous and Methyl Mercury <sup>a</sup> |
| P1      | Companies | Pending   | C                       | C                | C  | C                      | C                           | C    | C     | C                         | C      | C                                      | C                             | ---                         | ---                              | C   |
| P2      | Companies | Pending   | C                       | C                | C  | C                      | C                           | C    | C     | C                         | C      | C                                      | C                             | ---                         | ---                              | C   |
| P3      | Companies | Pending   | C                       | C                | C  | C                      | C                           | C    | C     | C                         | C      | C                                      | C                             | ---                         | ---                              | C   |
| TR-11   | Companies | Quarterly | C                       | C                | C  | C                      | C                           | C    | C     | C                         | C      | C                                      | C                             | ---                         | ---                              | C   |
| TR-12   | Companies | Quarterly | C                       | C                | C  | C                      | C                           | C    | C     | C                         | C      | C                                      | C                             | ---                         | ---                              | C   |

Notes:

<sup>a</sup> 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).

<sup>b</sup> PCBs and dioxins/furans proposed to evaluate potential impacts from the former slit trench area.

<sup>c</sup> Water level and NAPL monitoring only.

<sup>d</sup>Well can not be located and is presumed destroyed.

B = Well sampled by BRC for the indicated parameter.

C = Well to be sampled by the Companies for the indicated parameter; however, they did not collect groundwater samples from these wells during the 3rd Quarter 2009. Therefore, these data were not available to BRC at the time of the report submittal.

--- = Well not sampled for indicated parameter.

**TABLE 2-4**  
**ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 5)**

| Parameter of Interest                                | Preparation Method | Analytical Method | Compound List                              | CAS Number | Laboratory Limits |      |
|--|--------------------|-------------------|--|------------|-------------------|------|
| <b>Ions</b>  | 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 314.0          | EPA 314.0         | Perchlorate                                | 14797-73-0 | 4                 | µg/L |
| <b>Polychlorinated Dibenzodioxins/ Dibenzofurans</b> | 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 |
| <b>Metals</b>  | 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**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 5)**

| Parameter of Interest                    | Preparation Method | Analytical Method | Compound List          | CAS Number | Laboratory Limits |
|--|--------------------|-------------------|------------------------|------------|-------------------|
| <b>Metals (continued)</b>                |                    |                   | 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           |
| <b>Organochlorine Pesticides</b>         | EPA 7470A          | EPA 7470A         | Mercury                | 7439-97-6  | 0.2 µg/L          |
|  | 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            |
| <b>Polychlorinated Biphenyls</b>         | 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           |
| <b>Polynuclear Aromatic Hydrocarbons</b> | 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**  
**ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 5)**

| 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<br>(Total Dissolution) | HASL<br>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 |
|                                 |                                 |                   | 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             |       |
| HASL 300<br>(Total Dissolution) |                                 |                   |                              |            |                   |       |
|                                 |                                 |                   |                              |            |                   |       |
| 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-Chlorothiobanisole         | 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**  
**ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 5)**

| 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           |
| Volatile Organic Compounds                 | EPA 5030B          | EPA 8260B         | Tentatively Identified Compounds (TICs) |            | NA µg/L           |
|  |                    |                   | 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**  
**ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 5 of 5)**

| Parameter of Interest                         | Preparation Method | Analytical Method | Compound List                                     | CAS Number | Laboratory Limits |
|---|--------------------|-------------------|---|------------|-------------------|
| <b>Volatile Organic Compounds (continued)</b> | 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-Methylhexane)               | 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           |
| <b>Water Quality Parameters</b>               | 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 <sub>3</sub> )         | 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            |
| <b>White Phosphorus</b>                       | EPA 7580M          | EPA 7580M         | White phosphorus                                  | 12185-10-3 | 5E-05 mg/L        |
| <b>Methyl Mercury</b>                         | 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**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 1)**

| Method Class                         | Compound               | Groundwater                                   |   |
|--------------------------------------|------------------------|---|---|
|                                      |                        | Holding Time                                  | Container/<br>Preservative                                  |
| Ions                                 | Bromide                | 28 days                                       | 250-mL poly<br>(unpreserved)                                |
|                                      | Bromine                |   |   |
|                                      | Chlorate               |   |   |
|                                      | Chloride               |   |   |
|                                      | Chlorite               |   |   |
|                                      | Fluoride               |   |   |
|                                      | Iodide                 | 48 hours                                      |   |
|                                      | Nitrate                |   |   |
|                                      | Nitrite                |   |   |
|                                      | Orthophosphate         | 28 days                                       |   |
|                                      | Sulfate                |   |   |
|                                      | Perchlorate            |   |   |
| Ion Balance                          | NA                     | NA  |   |
| Dioxins/Furans                       | See Table 2-4          | 30 days to extraction,<br>45 days to analysis | 1-L amber<br>(unpreserved)                                  |
| Metals                               | See Table 2-4          | 180 days                                      | 500-mL poly<br>(HNO <sub>3</sub> )                          |
|                                      | Hexavalent<br>Chromium | 24 hours                                      | 250 mL poly<br>(unpreserved)                                |
|                                      | Mercury                | 28 days                                       | 500-mL poly<br>(HNO <sub>3</sub> )                          |
| Organochlorine<br>Pesticides         | See Table 2-4          | 7 days to extraction,<br>40 days to analysis  | 1-L amber<br>(unpreserved)                                  |
| Polychlorinated<br>Biphenyls         | See Table 2-4          | 1 year to extraction,<br>45 days to analysis  | 1-L amber<br>(unpreserved)                                  |
| Polynuclear Aromatic<br>Hydrocarbons | See Table 2-4          | 7 days to extraction,<br>40 days to analysis  | 1-L amber<br>(unpreserved)                                  |
| Radionuclides                        | See Table 2-4          | 6 months                                      | 4-L poly<br>(HNO <sub>3</sub> )                             |
| Semivolatile Organic<br>Compounds    | See Table 2-4          | 7 days to extraction,<br>40 days to analysis  | 1-L amber<br>(unpreserved)                                  |
| Volatile Organic<br>Compounds        | See Table 2-4          | 14 days                                       | 40-mL VOAs<br>(HCl)   |
| Water<br>Quality<br>Parameters       | Hardness               | 6 months                                      | 1-L poly<br>(HNO <sub>3</sub> )                             |
|                                      | Conductivity           | 28 days                                       | 1-L poly<br>(unpreserved)                                   |
|                                      | Total Dissolved Solids | 7 days  |   |
|                                      | Alkalinity             | 14 days                                       |   |
| White Phosphorus                     | White Phosphorus       | 30 days                                       | 500 ml amber<br>(unpreserved)                               |
| Methyl Mercury                       | Methyl Mercury         | 48 hrs to preserve,<br>6 months to analysis   | 500-mL fluoro-<br>polymer or boro-<br>silicate bottle (HCl) |

Note: A number of the methods (8270, 8081, 8082, 8151, and 8310) require addition of Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 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**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 3)**

| <b>Laboratory Qualifier</b> | <b>Definition</b>  |
|-----------------------------|--|
| 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.   |

| <b>Functional Guidelines Validation Qualifier</b> | <b>Definition</b>  |
|---|--|
| 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**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
 (Page 2 of 3)

| <b>Project- Specific<br/>Validation Qualifier</b> | <b>Definition</b>   |
|---|---|
| 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.                |

| <b>Validation Reason<br/>Code</b> | <b>Definition</b>   |
|-----------------------------------|---|
| 1                                 | The sample preparation and/or analytical holding time was exceeded.                   |
| 2 <sup>#</sup>                    | 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 <sup>##</sup>                   | The MS/MSD RPD was outside of control limits.   |
| 7 <sup>##</sup>                   | The LCS RPD was outside of control limits.  |
| 8                                 | The surrogate recovery was outside of control limits.                                 |
| 9 <sup>##</sup>                   | 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**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
 (Page 3 of 3)

| <b>Validation Reason Code</b> | <b>Definition</b>  |
|-------------------------------|--|
| 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  |

<sup>#</sup> This reason code is applied to data entries with lab qualifiers J or B, as defined above.

<sup>##</sup> 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**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 1 of 4)

| Well ID   | Well Installation Date | Surface Elevation<br>(ft.-amsl) | Northing    | Easting     | Top of Casing Elevation<br>(ft.-amsl) | Date Measured | Depth to Water<br>(ft.-btoc) | Groundwater Elevation<br>(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                             |
| AA-BW-02A | 03/08/05               | 1746.78                         | 26720214.67 | 26720214.67 | 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                             |
| 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                             |
| 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                             |
| 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                             |
| 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                             |



**TABLE 3-1**  
**HISTORICAL GROUNDWATER ELEVATION DATA**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 4)**

| Well ID   | Well Installation Date | Surface Elevation<br>(ft.-amsl) | Northing    | Easting   | Top of Casing Elevation<br>(ft.-amsl) | Date Measured | Depth to Water<br>(ft.-btoc) | Groundwater Elevation<br>(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                             |
| 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                             |
| 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                             |
| 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                             |
| 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                             |
| 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                             |

**TABLE 3-1**  
**HISTORICAL GROUNDWATER ELEVATION DATA**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 4)**

| Well ID  | Well Installation Date | Surface Elevation<br>(ft.-amsl) | Northing    | Easting   | Top of Casing Elevation<br>(ft.-amsl) | Date Measured | Depth to Water<br>(ft.-btoc) | Groundwater Elevation<br>(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                             |
| 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                             |
| 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                             |
| 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                             |
| 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                             |
| MC-80    | 8/9/83                 | 1726.50                         | 26721174.00 | 825675.06 | INA                                   | 1st Qtrr 2009 | WNL                          | --                                  |
|          |                        |                                 |             |           |                                       | 2nd Qtrr 2009 | WNL                          | --                                  |
|          |                        |                                 |             |           |                                       | 3rd Qtrr 2009 | WNL                          | --                                  |
| MC-MW-10 | 9/21/06                | 1801.21                         | 26717919.06 | 825523.88 | 1803.91                               | 1st Qtrr 2009 | WNM                          | --                                  |
|          |                        |                                 |             |           |                                       | 4/15/2009     | 56.83                        | 1747.08                             |
|          |                        |                                 |             |           |                                       | 7/15/2009     | 56.49                        | 1747.42                             |
| MC-MW-11 | 9/26/06                | 1801.94                         | 26717766.00 | 824860.15 | 1804.50                               | 1st Qtrr 2009 | WNM                          | --                                  |
|          |                        |                                 |             |           |                                       | 4/15/2009     | 57.91                        | 1746.59                             |
|          |                        |                                 |             |           |                                       | 7/15/2009     | 57.60                        | 1746.90                             |

**TABLE 3-1**  
**HISTORICAL GROUNDWATER ELEVATION DATA**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 4)**

| Well ID    | Well Installation Date | Surface Elevation<br>(ft.-amsl) | Northing    | Easting   | Top of Casing Elevation<br>(ft.-amsl) | Date Measured  | Depth to Water<br>(ft.-btoc) | Groundwater Elevation<br>(ft.-amsl) |
|------------|------------------------|---------------------------------|-------------|-----------|---------------------------------------|----------------|------------------------------|-------------------------------------|
| MC-MW-12   | 11/13/06               | 1797.38                         | 26717903.04 | 826293.89 | 1800.04                               | 1st Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 4/15/2009      | 41.54                        | 1758.50                             |
|            |                        |                                 |             |           |                                       | 7/15/2009      | 41.69                        | 1758.35                             |
| MC-MW-28   | 6/24/09                | 1760.62                         | 26719450.04 | 825775.48 | 1763.03                               | 1st Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 2nd Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 3rd Qtrtr 2009 | WNL                          | --                                  |
| MC-MW-30   | 6/5/09                 | 1715.64                         | 26721948.80 | 825000.22 | 1718.23                               | 1st Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 2nd Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 7/15/2009      | 26.18                        | 1692.05                             |
| MC-MW-31   | 6/4/09                 | 1714.47                         | 26722161.64 | 824775.80 | 1716.85                               | 1st Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 2nd Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 7/15/2009      | 28.66                        | 1688.19                             |
| 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                             |
| MCF-BW-11A | 3/23/05                | 1776.18                         | 26718693.95 | 824044.54 | 1778.38                               | 1st Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 4/16/2009      | 48.55                        | 1729.83                             |
| MW-8       | 8/27/04                | 1800.95                         | 26717925.04 | 825564.56 | 1803.63                               | 1st Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 2nd Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 7/15/2009      | -2.31                        | 1805.94                             |
| TR-11      | 10/1/99                | 1714.80                         | 26721918.29 | 825422.57 | 1717.12                               | 1st Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 4/15/2009      | -9.23                        | 1726.35                             |
|            |                        |                                 |             |           |                                       | 7/15/2009      | -6.93                        | 1724.05                             |
| TR-12      | 10/1/99                | 1693.44                         | 26723271.82 | 825286.37 | 1695.84                               | 1st Qtrtr 2009 | WNL                          | --                                  |
|            |                        |                                 |             |           |                                       | 4/16/2009      | -4.61                        | 1700.45                             |
|            |                        |                                 |             |           |                                       | 7/15/2009      | -27.72                       | 1723.56                             |

**Notes:**

amsl - Above mean sea level

WNL - Well Not Located

WNL - Well Not Measured

TABLE 3-2  
GROUNDWATER SUMMARY OF SAMPLE RESULTS  
3RD QUARTER 2009 GROUNDWATER MONITORING EVENT  
CAMU AREA, CLARK COUNTY, NEVADA  
(Page 1 of 5)

| Parameter of Interest   | Compound List                             | Units   | Total Count     | Detect Freq. | Censored (Non-Detect) Data |       |       |        |       |       |       | Detected Data <sup>a</sup> |        |         |         |         |         |          | 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      | -- <sup>b</sup> | --           | --                         | --    | --    | --     | --    | --    | 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                                  |         |                 |              |                            |       |       |        |       |       |       |                            |        |         |         |         |         |          |       |                        |           |                        |    |

TABLE 3-2  
GROUNDWATER SUMMARY OF SAMPLE RESULTS  
3RD QUARTER 2009 GROUNDWATER MONITORING EVENT  
CAMU AREA, CLARK COUNTY, NEVADA  
(Page 2 of 5)

| Parameter of Interest             | Compound List          | Units | Total Count | Detect Freq. | Censored (Non-Detect) Data |       |       |        |       |       |       | Detected Data <sup>a</sup> |         |        |        |       |      |       | 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 3-2**  
**GROUNDWATER SUMMARY OF SAMPLE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**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 <sup>a</sup> |       |     |        |      |      |       | 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 phthalamide       | 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 3-2**  
**GROUNDWATER SUMMARY OF SAMPLE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**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 <sup>a</sup> |       |      |        |       |       |       | 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                             | 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 3-2  
GROUNDWATER SUMMARY OF SAMPLE RESULTS  
3RD QUARTER 2009 GROUNDWATER MONITORING EVENT  
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 <sup>a</sup> |       |      |        |       |       |       | 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-Xylene                        | 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-Butyl benzene                   | 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-Butyl benzene                | 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          | -- <sup>b</sup> | --                         | --    | --    | --     | --   | --   | --    | 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 2009d.

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 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 24)**

| 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                  |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 90 U                    | < 80 U                | < 80 U                    | < 70 U                | < 140 U   | < 70 U             | < 40 U             |
| 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             |
| 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             |
| 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             |
| 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             |
| 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           |
| 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           |
| 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          |
| 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           |
| 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          |
| 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+            |
| 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          |
| 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-         |
| 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         |
| 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          |
| 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             |
| 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           |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 45 U                    | < 40 U                | < 40 U                    | < 35 U                | < 70 U  | 170 J              | < 20 U             |
| 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              |
| 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             |
| 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                |
| 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-             |
| 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-            |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 82 U                    | < 44 U                | < 56 U                    | < 36 U                | < 60 U  | < 42 U             | < 54 U             |
| 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-         |
| 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-            |
| 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             |
| 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          |
| 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            |
| 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-            |
| 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-             |
| 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                |
| 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           |
| 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          |
| 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-         |
| 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-         |
| 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          |
| 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          |
| 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+             |
| 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           |
| 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           |
| 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-            |
| 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              |
| 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             |
| 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             |
| 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             |
| 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            |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 22 U                    | < 20 U                | < 20 U                    | < 18 U                | < 35 U  | < 18 U             | < 10 U             |
| 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+             |
| 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+             |
| 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             |
| 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             |
| 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           |
| 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          |
| 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             |
| 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          |
| 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          |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 24)**

| 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                  |
| 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            |
| 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              |
| 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           |
| 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           |
| 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            |
| 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            |
| 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                |
| 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              |
| 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              |
| 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          |
| 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           |
| 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           |
| 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           |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 24)**

| 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                  |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 60 U              | 600 J                  | < 150 U                | 540 J                  | 220 J                  | 450 J               | < 90 U             |
| 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               |
| 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               |
| 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               |
| 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              |
| 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                 |
| 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                 |
| 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                 |
| 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                 |
| 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                 |
| 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+              |
| 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-              |
| 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                |
| 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              |
| 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-             |
| 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              |
| 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                |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 30 U              | < 55 U                 | < 75 U                 | 200 J                  | < 25 U                 | 300 J               | 96 J               |
| 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               |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | < 0.087 U           | 5.9                    | < 0.22 U               | 47                     | 0.35                   | 950                 | < 180 U            |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | < 0.087 U           | 6.5                    | < 0.22 U               | 54                     | 0.37                   | 1400                | 22                 |
| 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-              |
| 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-              |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 34 U              | < 80 U                 | < 120 U                | 190 J                  | < 31 U                 | 1000                | < 25 U             |
| 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-         |
| 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-              |
| 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               |
| 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               |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | < 3.4 U             | 17 J                   | < 12 U                 | 88                     | < 3.1 U                | 170                 | 27 J               |
| 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-             |
| 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-             |
| 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                |
| 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+             |
| 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-             |
| 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                |
| 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                |
| 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                |
| 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           |
| 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-             |
| 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                |
| 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                |
| 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-         |
| 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               |
| 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          |
| 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               |
| 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               |
| 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             |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 15 U              | < 28 U                 | < 38 U                 | < 15 U                 | < 12 U                 | 55 J                | < 22 U             |
| 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               |
| 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-              |
| 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               |
| 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               |
| 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               |
| 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               |
| 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               |
| 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               |
| 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             |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 24)**

| 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                  |
| 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             |
| 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               |
| Down-Gradient | H-28    | 55a  | N           | 01/26/09    | < 0.087 U           | 2.3                    | < 0.22 U               | 8                      | < 0.069 U              | 16                  | 10                 |
| 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+             |
| 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              |
| 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              |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | < 0.087 U           | 14                     | < 0.22 U               | 66                     | < 0.069 U              | 1300                | 6.5                |
| 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              |
| 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              |
| 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           |
| 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                  |
| 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                |
| 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                |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 5 of 24)**

| 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                  |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | --                 | < 100 U             | < 50 U                 | 180 J                  | 340 J               | < 60 U              | 620 J               |
| 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               |
| 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-              |
| 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                 |
| 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                 |
| 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                  |
| 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                  |
| 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                  |
| 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                  |
| 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                  |
| 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+               |
| 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-               |
| 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                   |
| 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-              |
| 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+              |
| 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                |
| 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                   |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | --                 | < 50 U              | < 25 U                 | < 30 U                 | < 20 U              | < 30 U              | 410 J               |
| 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                |
| 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                |
| 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                |
| 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+             |
| 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+             |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 100 U            | < 27 U              | < 61 U                 | < 53 U                 | 77 J                | < 26 U              | 2300                |
| 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-          |
| 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               |
| 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                 |
| 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                 |
| 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                 |
| 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-              |
| 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               |
| 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                  |
| 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                 |
| 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                  |
| 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                 |
| 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                 |
| 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                 |
| 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                 |
| 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                 |
| 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                 |
| 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               |
| 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-            |
| 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                |
| 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-             |
| 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-             |
| 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-             |
| 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              |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | --                 | < 25 U              | < 12 U                 | < 15 U                 | < 10 U              | < 15 U              | < 22 U              |
| 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+              |
| 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               |
| 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                 |
| 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                |
| 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               |
| 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                 |
| 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                |
| 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                |
| 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                |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 6 of 24)**

| 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                  |
| 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-             |
| 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                |
| 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                  |
| 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+              |
| 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               |
| 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               |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | 1.2                | 0.5                 | 0.52                   | < 0.058 U              | 22                  | < 0.12 U            | 1800                |
| 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                |
| 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                |
| 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             |
| 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              |
| 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            |
| 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            |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 7 of 24)**

| 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             | --         |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | --                    | < 50 U              | --                  | --                  | --                  | < 60 U          | < 200 U    |
| 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     |
| 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   |
| 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   |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | < 23 U                | < 10 UJ             | < 16 U              | < 18 U              | < 19 U              | < 11 U          | < 130 U    |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | --                    | < 0.05 U            | --                  | --                  | --                  | < 0.06 U        | < 0.2 U    |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | --                    | < 0.05 U            | --                  | --                  | --                  | < 0.06 U        | < 0.2 U    |
| 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      |
| 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   |
| 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   |
| 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    |
| 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   |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | --                    | < 0.05 U            | --                  | --                  | --                  | < 0.06 U        | < 0.2 U    |
| 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     |
| 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   |
| 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   |
| 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    |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | --                    | < 25 U              | --                  | --                  | --                  | < 30 U          | < 100 U    |
| 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     |
| 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   |
| 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   |
| 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   |
| 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   |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 120 U               | < 52 UJ             | < 82 U              | < 90 U              | < 93 U              | < 53 U          | < 640 U    |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | --                    | < 0.05 UJ-          | --                  | --                  | --                  | 4.3 J-          | < 0.2 UJ-  |
| 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     |
| 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  |
| 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   |
| 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     |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | --                    | < 0.05 UJ-          | --                  | --                  | --                  | < 0.06 UJ-      | < 0.2 UJ-  |
| 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     |
| 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   |
| Down-Gradient  | AA-BW-06A | 55b  | N           | 04/22/09    | < 0.23 UJ             | < 0.1 U             | < 0.16 U            | 0.39 J+             | < 0.19 U            | < 0.11 U        | < 1.3 U    |
| 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   |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | --                    | < 0.05 U            | --                  | --                  | --                  | < 0.06 U        | < 0.2 U    |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | --                    | < 0.05 U            | --                  | --                  | --                  | < 0.06 U        | < 0.2 U    |
| 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      |
| 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      |
| 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   |
| 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    |
| Cross-Gradient | AA-BW-07A | 55c  | N           | 07/22/09    | < 0.23 UJ             | < 0.1 UJ            | < 0.16 U            | < 0.18 U            | < 0.19 U            | < 0.11 U        | < 1.3 U    |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | --                    | < 0.05 UJ-          | --                  | --                  | --                  | 6.5 J-          | < 0.2 UJ-  |
| 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     |
| 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  |
| 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   |
| 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   |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 23 UJ               | < 10 UJ             | < 16 UJ             | < 18 UJ             | < 19 UJ             | < 11 UJ         | < 130 UJ   |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | --                    | < 12 U              | --                  | --                  | --                  | < 15 U          | < 50 U     |
| 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      |
| 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   |
| 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    |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | < 23 U                | < 10 UJ             | < 16 U              | < 18 U              | < 19 U              | < 11 U          | < 130 U    |
| 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  |
| 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+   |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | < 23 U                | < 10 UJ             | < 16 U              | < 18 U              | < 19 U              | < 11 U          | < 130 U    |
| 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   |
| 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   |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 8 of 24)**

| 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             | --         |
| Up-Gradient   | EC-2    | 55c  | N           | 07/27/09    | < 23 UJ               | < 10 UJ             | < 16 UJ             | < 18 UJ             | < 19 UJ             | < 11 UJ         | < 130 UJ   |
| 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  |
| 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   |
| 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    |
| 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     |
| 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     |
| 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   |
| 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   |
| 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   |
| 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   |
| 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    |
| 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    |
| 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    |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 9 of 24)**

| 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      |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | --             | --             | --                  | --             | --             | < 80 U          | < 210 U    |
| 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      |
| 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   |
| 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     |
| 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     |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | --             | --             | --                  | --             | --             | < 0.08 U        | < 0.21 U   |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | --             | --             | --                  | --             | --             | < 0.08 U        | < 0.21 U   |
| 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     |
| 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   |
| 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   |
| 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     |
| 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  |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | --             | --             | --                  | --             | --             | < 0.08 U        | < 0.21 UJ  |
| 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    |
| 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   |
| 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     |
| 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   |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | --             | --             | --                  | --             | --             | < 40 U          | < 100 U    |
| 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        |
| 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   |
| 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   |
| 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-     |
| 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-     |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 76 U         | < 550 U        | < 100 U             | < 44 U         | < 84 U         | < 48 U          | < 210 U    |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | --             | --             | --                  | --             | --             | 3.2 J-          | < 0.21 UJ- |
| 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   |
| 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  |
| 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  |
| 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     |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | --             | --             | --                  | --             | --             | < 0.08 UJ-      | < 0.21 UJ- |
| 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   |
| 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   |
| 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       | --         |
| 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  |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | --             | --             | --                  | --             | --             | < 0.08 U        | < 0.21 UJ  |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | --             | --             | --                  | --             | --             | < 0.08 U        | < 0.21 UJ  |
| 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   |
| 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   |
| 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   |
| 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   |
| 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   |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | --             | --             | --                  | --             | --             | 5.1 J-          | < 0.21 UJ- |
| 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      |
| 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    |
| 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     |
| 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     |
| 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    |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | --             | --             | --                  | --             | --             | < 20 U          | < 52 U     |
| 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     |
| 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    |
| 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       |
| 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     |
| 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    |
| 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       |
| 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    |
| 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   |
| 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  |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 10 of 24)**

| 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     |
| 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   |
| 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     |
| 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  |
| 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       | --        |
| 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   |
| 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   |
| 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  |
| 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 |
| 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 |
| 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  |
| 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  |
| 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  |
| 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  |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 11 of 24)**

| 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             |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 210 U      | 4400       | 240 J        | < 80 U               | < 170 U    | < 230 U      | < 250 U          |
| 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            |
| 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              |
| 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        |
| 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           |
| 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         |
| 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         |
| 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          |
| 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        |
| 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-         |
| 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         |
| 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        |
| 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-       |
| 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         |
| 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        |
| 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        |
| 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         |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 100 U      | 15000      | < 30 U       | < 40 U               | < 85 U     | < 120 U      | < 120 U          |
| 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           |
| 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           |
| 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                |
| 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        |
| 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        |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 2100 UJ    | 72000      | < 42 U       | < 49 U               | < 76 U     | < 48 U       | < 260 U          |
| 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-           |
| 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         |
| 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             |
| 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        |
| 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           |
| 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-       |
| 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         |
| 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        |
| 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         |
| 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        |
| 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-       |
| 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-       |
| 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          |
| 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          |
| 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        |
| 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         |
| 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         |
| 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-       |
| 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            |
| 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       |
| 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        |
| 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        |
| 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          |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 52 U       | 1200       | < 15 U       | < 20 U               | < 42 U     | < 58 U       | < 62 U           |
| 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+           |
| 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+           |
| 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           |
| 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           |
| 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            |
| 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              |
| 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             |
| 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        |
| 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            |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 12 of 24)**

| 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             |
| 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          |
| 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            |
| 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         |
| 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         |
| 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          |
| 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          |
| 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         |
| 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           |
| 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        |
| 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        |
| 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         |
| 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         |
| 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         |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 13 of 24)**

| 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                     |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 90 U               | 8800          | < 130 U            | < 110 U      | < 70 U     | < 190 U       | < 270 U                |
| 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             |
| 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               |
| 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              |
| 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                 |
| 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               |
| 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               |
| 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              |
| 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               |
| 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               |
| 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               |
| 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              |
| 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               |
| 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             |
| 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               |
| 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              |
| 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               |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 45 U               | 11000         | < 65 U             | < 55 U       | 16000      | < 95 U        | < 140 U                |
| 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             |
| 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               |
| 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               |
| 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              |
| 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              |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 36 U               | 49000         | < 0.12 U           | < 42 U       | 1100       | < 43 U        | < 68 U                 |
| 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-             |
| 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-                |
| 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                 |
| 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                 |
| 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                |
| 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-                |
| 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             |
| 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                    |
| 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+                |
| 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-                |
| 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               |
| 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               |
| 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              |
| 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              |
| 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               |
| 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               |
| 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               |
| 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-             |
| 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                 |
| 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              |
| 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              |
| 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              |
| 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                |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 22 U               | 2900          | < 32 U             | < 28 U       | 4400       | < 48 U        | < 68 U                 |
| 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              |
| 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               |
| 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              |
| 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                 |
| 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                 |
| 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              |
| 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                 |
| 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               |
| 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              |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 14 of 24)**

| 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                     |
| 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                |
| 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                  |
| 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               |
| 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               |
| 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                |
| 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                |
| 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                    |
| 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                 |
| 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                 |
| 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               |
| 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               |
| 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               |
| 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               |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 15 of 24)**

| Location       | Well ID   | DVSR | Sample Type | Sample Date | cis-1,3-Dichloropropene | Cymene     | 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               |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 130 U                 | 220 J      | < 90 U               | < 270 U              | < 140 U        | < 140 U                            | < 120 U         |
| 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            |
| 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          |
| 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        |
| 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          |
| 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        |
| 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        |
| 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         |
| 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       |
| 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       |
| 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         |
| 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        |
| 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        |
| 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        |
| 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+         |
| 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        |
| 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         |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 65 U                  | < 40 U     | < 45 U               | < 140 U              | < 70 U         | < 70 U                             | 520             |
| 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           |
| 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             |
| 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             |
| 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             |
| 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           |
| 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          |
| 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-         |
| 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        |
| 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           |
| 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           |
| 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         |
| 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-          |
| 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        |
| 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       |
| 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         |
| 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        |
| 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        |
| 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        |
| 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         |
| 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         |
| 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+         |
| 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          |
| 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         |
| 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-           |
| 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            |
| 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          |
| 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          |
| 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        |
| 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         |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 32 U                  | < 20 U     | < 22 U               | < 68 U               | < 35 U         | < 35 U                             | 1800            |
| 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            |
| 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-         |
| 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            |
| 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            |
| 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          |
| 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            |
| 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            |
| 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          |
| 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           |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 16 of 24)**

| Location      | Well ID | DVSR | Sample Type | Sample Date | cis-1,3-Dichloropropene | Cymene    | 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               |
| 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         |
| 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          |
| 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       |
| 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         |
| 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           |
| 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           |
| 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            |
| 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        |
| 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        |
| 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           |
| 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         |
| 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         |
| 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         |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 17 of 24)**

| Location       | Well ID   | DVSR | Sample Type | Sample Date | Dimethyldisulfide | Ethanol    | Ethylbenzene | Heptane   | Isopropylbenzene | m,p-Xylene | 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               |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 5000 U          | 8100       | 150 J        | < 1000 U  | 140 J            | 300 J      | < 330 U             |
| 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            |
| 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            |
| 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           |
| 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              |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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           |
| 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            |
| 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            |
| 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            |
| 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           |
| 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            |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 2500 U          | 19000      | < 35 U       | < 500 U   | < 35 U           | < 45 U     | < 160 U             |
| 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            |
| 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            |
| 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            |
| 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           |
| 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           |
| 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             |
| 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-          |
| 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                |
| 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                |
| 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           |
| 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              |
| 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-          |
| 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            |
| 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            |
| 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            |
| 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           |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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-          |
| 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            |
| 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           |
| 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           |
| 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           |
| 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             |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 1200 U          | 13000      | < 18 U       | < 250 U   | < 18 U           | < 22 U     | < 82 U              |
| 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            |
| 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            |
| 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               |
| 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              |
| 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           |
| 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               |
| 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              |
| 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            |
| 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           |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 18 of 24)**

| Location      | Well ID | DVSR | Sample Type | Sample Date | Dimethyldisulfide | Ethanol   | Ethylbenzene | Heptane   | Isopropylbenzene | m,p-Xylene | 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               |
| 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             |
| 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           |
| 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            |
| 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            |
| 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             |
| 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             |
| 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            |
| 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           |
| 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           |
| 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            |
| 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            |
| 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            |
| 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            |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 19 of 24)**

| Location       | Well ID   | DVSR | Sample Type | Sample Date | Methyl iodide | Methyl isobutyl ketone | MTBE (Methyl tert-butyl ether) | n-Butyl benzene | 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      |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 100 U       | < 100 U                | < 150 U                        | 360 J           | --         | 260 J           | 140 J      |
| 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   |
| 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  |
| 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     |
| 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    |
| 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   |
| 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   |
| 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    |
| 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  |
| 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  |
| 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  |
| 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 |
| 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   |
| 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   |
| 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  |
| 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 |
| 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  |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 50 U        | < 50 U                 | < 75 U                         | < 25 U          | --         | < 35 U          | < 25 U     |
| 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      |
| 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       |
| 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       |
| 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      |
| 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-     |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 46 U        | < 160 U                | < 49 U                         | < 58 U          | < 610 U    | < 46 U          | < 28 U     |
| 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- |
| 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-    |
| 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 |
| 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      |
| 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    |
| 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- |
| 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   |
| 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  |
| 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  |
| 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 |
| 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   |
| 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   |
| 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    |
| 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    |
| 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  |
| 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  |
| 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  |
| 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- |
| 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      |
| 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     |
| 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      |
| 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      |
| 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   |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 25 U        | < 25 U                 | < 38 U                         | < 12 U          | --         | < 18 U          | < 12 U     |
| 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    |
| 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  |
| 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+     |
| 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    |
| 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 |
| 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 UJ |
| 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    |
| 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  |
| 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        |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 20 of 24)**

| Location      | Well ID | DVSR | Sample Type | Sample Date | Methyl iodide | Methyl isobutyl ketone | MTBE (Methyl tert-butyl ether) | n-Butyl benzene | 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      |
| 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   |
| 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     |
| 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  |
| 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  |
| 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   |
| 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   |
| 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  |
| 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 |
| 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 |
| 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  |
| 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  |
| 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  |
| 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  |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 21 of 24)

| Location       | Well ID   | DVSR | Sample Type | Sample Date | sec-Butylbenzene | Styrene    | tert-Butyl benzene | 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                      |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | 220 J            | 190 J      | 180 J              | < 100 U           | < 80 U    | < 205 U               | < 80 U                   |
| 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                 |
| 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                |
| 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               |
| 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                  |
| 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                 |
| 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                 |
| 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                  |
| 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                |
| 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                |
| 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                |
| 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               |
| 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                 |
| 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                 |
| 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                |
| 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               |
| 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                |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 25 U           | < 65 U     | < 60 U             | < 50 U            | < 40 U    | 16085                 | < 40 U                   |
| 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                 |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | < 0.053 U        | < 0.079 U  | < 0.039 U          | 290               | 13        | 1301                  | 0.12                     |
| 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                |
| 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-                 |
| 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               |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 42 U           | < 21 U     | < 56 U             | 110 J             | < 35 U    | 1163                  | < 40 U                   |
| 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-               |
| 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-                  |
| 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                   |
| 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                   |
| 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                    |
| 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-               |
| 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                 |
| 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                |
| 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                |
| 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               |
| 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                 |
| 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                 |
| 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                  |
| 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                  |
| 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                |
| 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                |
| 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                |
| 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-               |
| 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                 |
| 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               |
| 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               |
| 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               |
| 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                 |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 12 U           | < 32 U     | < 30 U             | < 25 U            | < 20 U    | 4442                  | < 20 U                   |
| 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                  |
| 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                |
| 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                  |
| 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                  |
| 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                   |
| 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               |
| 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                  |
| 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                |
| 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               |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 22 of 24)**

| Location      | Well ID | DVSR | Sample Type | Sample Date | sec-Butylbenzene | Styrene    | tert-Butyl benzene | 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                      |
| 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                 |
| 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                   |
| 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                |
| 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                |
| 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                 |
| 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                 |
| 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                     |
| 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                  |
| 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                   |
| 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                |
| 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                |
| 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                |
| 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                |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 23 of 24)**

| 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           |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 70 U                    | < 130 U         | < 70 U                            | < 200 U       | < 70 U         | 430 J           |
| 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        |
| 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         |
| 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       |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | < 23 U                    | < 9.1 U         | < 11 U                            | < 23 U        | < 9.1 U        | < 22 U          |
| 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        |
| 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        |
| 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         |
| 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         |
| 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         |
| 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        |
| 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       |
| 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        |
| 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        |
| 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         |
| 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       |
| 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        |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 35 U                    | < 65 U          | < 35 U                            | < 100 U       | < 35 U         | < 65 U          |
| 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           |
| 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         |
| 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         |
| 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           |
| 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-          |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 110 U                   | < 46 U          | < 54 U                            | < 120 U       | < 46 U         | < 110 U         |
| 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-      |
| 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        |
| 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        |
| 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       |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | < 11 U                    | 10 J            | < 5.4 U                           | < 12 U        | < 4.6 U        | < 11 U          |
| 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-      |
| 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        |
| 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         |
| 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        |
| 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       |
| 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        |
| 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        |
| 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         |
| 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         |
| 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         |
| 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        |
| 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        |
| 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-      |
| 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           |
| 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        |
| 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           |
| 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           |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 23 UJ                   | < 9.1 UJ        | < 11 UJ                           | < 23 UJ       | < 9.1 UJ       | < 22 UJ         |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 18 U                    | < 32 U          | < 18 U                            | < 50 U        | < 18 U         | < 32 U          |
| 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         |
| 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         |
| 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+          |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | < 23 U                    | < 9.1 U         | < 11 U                            | < 23 U        | < 9.1 U        | < 22 U          |
| 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        |
| 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 UJ       |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | < 23 U                    | < 9.1 U         | < 11 U                            | < 23 U        | < 9.1 U        | < 22 U          |
| 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         |
| 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             |

**TABLE 3-3**  
**VOLATILE ORGANIC COMPOUND (VOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 24 of 24)**

| 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           |
| Up-Gradient   | EC-2    | 55c  | N           | 07/27/09    | < 23 UJ                   | < 9.1 UJ        | < 11 UJ                           | < 23 UJ       | < 9.1 UJ       | < 22 UJ         |
| 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        |
| 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         |
| 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        |
| 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         |
| 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         |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | < 0.08 U                  | 110             | < 0.1 U                           | < 0.22 U      | 0.54           | < 1.6 U         |
| 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       |
| 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       |
| 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         |
| 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        |
| 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        |
| 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        |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 22)**

| 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                   |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 0.4 U                     | --                    | --          | < 10 U                   | < 1.4 U               | 24                    |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1 U                       | < 1 U                 | < 2 U       | < 10 U                   | < 2 U                 | 21                    |
| 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                  |
| 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                  |
| 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                  |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | < 0.4 U                     | --                    | --          | < 10 U                   | < 2.4 U               | < 2.4 U               |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | < 0.4 U                     | --                    | --          | < 10 U                   | < 2.4 U               | < 2.4 U               |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U                       | < 1 U                 | < 2 U       | < 13 U                   | < 2 U                 | < 2 U                 |
| 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               |
| 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               |
| 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               |
| 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              |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | < 0.4 U                     | --                    | --          | < 10 U                   | < 2.4 U               | < 2.4 U               |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U                       | < 1 U                 | < 2 U       | < 9.5 U                  | < 2 U                 | < 2 U                 |
| 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               |
| 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               |
| 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              |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 0.4 U                     | --                    | --          | < 11 U                   | 3.3 J                 | 5.6 J                 |
| 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-                |
| 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               |
| 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                |
| 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                |
| 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                |
| 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              |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | < 0.4 U                     | --                    | --          | < 50 U                   | 37                    | 4.5 J                 |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U                       | < 1 U                 | < 2 U       | < 10 U                   | 2.7 J                 | < 2 U                 |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 2 U                       | < 2 U                 | < 1 U       | < 3.3 U                  | 1.2 J                 | < 2 U                 |
| 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               |
| 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              |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | < 0.4 U                     | --                    | --          | < 10 U                   | < 1.4 U               | < 1.5 U               |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U                       | < 1 U                 | < 2 U       | < 10 U                   | < 2 U                 | < 2 U                 |
| 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               |
| 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               |
| 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              |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | < 0.4 U                     | --                    | --          | < 10 U                   | < 2.4 U               | < 2.4 U               |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | < 0.4 U                     | --                    | --          | < 10 U                   | < 2.4 U               | < 2.4 U               |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 U                       | < 1 U                 | < 2 U       | < 10 U                   | < 2 UJ                | < 2 UJ                |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 U                       | < 1 U                 | < 2 U       | < 10 U                   | < 2 UJ                | < 2 UJ                |
| 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               |
| 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               |
| 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                  |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | 2.3 J                       | --                    | --          | < 10 U                   | < 2.4 U               | < 2.4 U               |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | 1.8 J                       | < 1 U                 | 4.7 J       | < 50 U                   | < 2 U                 | < 2 U                 |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 U                      | < 20 U                | < 9.8 U     | < 32 U                   | < 9.8 U               | < 20 U                |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 76 U                      | < 76 U                | < 38 U      | < 126 U                  | < 38 U                | < 76 U                |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 76 U                      | < 76 U                | < 38 U      | < 126 U                  | < 38 U                | < 76 U                |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U                     | < 177 U               | < 177 U     | < 177 U                  | < 177 U               | < 177 U               |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 0.4 U                     | --                    | --          | < 10 U                   | < 1.4 U               | 2.5 J                 |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1 U                       | < 1 U                 | < 2 U       | < 9.5 U                  | < 2 U                 | 5.2 J                 |
| 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                |
| 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               |
| 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              |
| 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                |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | 28.5 J                      | < 19 U                | < 9.5 U     | < 31 U                   | < 9.5 U               | < 19 U                |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | 82.4 J                      | < 385 U               | < 385 U     | < 385 U                  | < 385 U               | < 385 U               |
| 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               |
| 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               |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 22)**

| 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                   |
| 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               |
| 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              |
| 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              |
| 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               |
| 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               |
| 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              |
| 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               |
| 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               |
| 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              |
| 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              |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 3 of 22)

| 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                |
| 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             |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | 32                 | < 1 U              | < 10 U            | < 1.1 U            | < 1.1 U            | < 1 U               |
| 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                |
| 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            |
| 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                |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | < 0.91 U           | < 1 UJ-            | < 6.7 U           | < 4 UJ-            | < 3 UJ-            | < 1 U               |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | < 0.91 U           | < 1 UJ-            | < 6.7 U           | < 4 UJ-            | < 3 UJ-            | < 1 U               |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U              | < 1 U              | < 10 U            | < 1.1 U            | < 1.1 U            | < 1 U               |
| 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            |
| 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            |
| 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            |
| 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           |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | < 0.91 U           | < 1 U              | < 6.7 U           | < 4 U              | < 3 U              | < 1 U               |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U              | < 1 U              | < 10 U            | < 1.1 U            | < 1.1 U            | < 1 U               |
| 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            |
| 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            |
| 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           |
| 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             |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | 21 J-              | < 1 U              | < 10 U            | < 1.1 U            | < 1.1 U            | < 1 U               |
| 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             |
| 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                |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | 23.2               | < 2 U              | < 9.8 U           | < 2 U              | < 2 U              | < 0.34 U            |
| 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             |
| 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            |
| 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             |
| 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               |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | 3 J                | < 2 U              | < 10 U            | < 2 U              | < 2 U              | < 0.35 U            |
| 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            |
| 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           |
| 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             |
| 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               |
| 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            |
| 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            |
| 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           |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | < 0.91 U           | < 1 U              | < 6.7 U           | < 4 UJ-            | < 3 UJ-            | < 1 U               |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | < 0.91 U           | < 1 U              | < 6.7 U           | < 4 UJ-            | < 3 UJ-            | < 1 U               |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 UJ             | < 1 UJ             | < 10 UJ           | < 1.1 U            | < 1.1 U            | < 1 U               |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 UJ             | < 1 UJ             | < 10 UJ           | < 1.1 U            | < 1.1 U            | < 1 U               |
| 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            |
| 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            |
| 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           |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | 12                 | < 1 U              | < 6.7 U           | < 4 U              | < 3 U              | < 1 U               |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | 18                 | < 1 U              | < 10 U            | < 1.1 U            | < 1.1 U            | < 1 U               |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | 26.9 J             | < 20 U             | < 98 U            | < 20 U             | < 20 U             | < 3.4 U             |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 76 U             | < 76 U             | < 381 U           | < 76 U             | < 76 U             | < 13 U              |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 76 U             | < 76 U             | < 381 U           | < 76 U             | < 76 U             | < 13 U              |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U            | < 177 U            | < 354 U           | < 177 U            | < 177 U            | < 17.7 U            |
| 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             |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | 11                 | < 1 U              | < 10 U            | < 1.1 U            | < 1.1 U            | < 1 U               |
| 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            |
| 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            |
| 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           |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | 78.8 J             | < 19 U             | < 95 U            | < 19 U             | < 19 U             | < 3.3 U             |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 19 U             | < 19 U             | < 95 U            | < 19 U             | < 19 U             | < 3.3 U             |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 385 U            | < 385 U            | < 769 U           | < 385 U            | < 385 U            | < 38.5 U            |
| 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            |
| 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            |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 22)**

| 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                |
| 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            |
| 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           |
| 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           |
| 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            |
| 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            |
| 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           |
| 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            |
| 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            |
| 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           |
| 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           |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 5 of 22)**

| 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                  | --             |
| 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        |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | 30             | < 1 U               | < 2 U          | < 1 U         | < 1 U                 | < 1.1 U        |
| 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       |
| 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        |
| 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       |
| 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       |
| 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       |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U          | < 1 U               | < 2 U          | < 1 U         | < 1 U                 | < 1.1 U        |
| 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       |
| 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       |
| 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        |
| 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       |
| 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       |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U          | < 1 U               | < 2 U          | < 1 U         | < 1 U                 | < 1.1 U        |
| 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       |
| 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        |
| 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       |
| 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        |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | 36             | < 1 U               | < 2 U          | < 1 U         | < 1 U                 | < 1.1 U        |
| 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        |
| 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        |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | 26.2           | < 0.29 U            | < 2 U          | < 2 U         | < 0.98 U              | < 2 U          |
| 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        |
| 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       |
| 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        |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U          | < 1 U               | < 2 U          | < 1 U         | < 1 U                 | < 1.1 U        |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 2 U          | 0.651 J             | < 2 U          | < 2 U         | < 1 U                 | < 2 U          |
| 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        |
| 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       |
| 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        |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U          | < 1 U               | < 2 U          | < 1 U         | < 1 U                 | < 1.1 U        |
| 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        |
| 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        |
| 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       |
| 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       |
| 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       |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 UJ         | < 1 U               | < 2 U          | < 1 UJ        | < 1 U                 | < 1.1 U        |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 UJ         | < 1 U               | < 2 U          | < 1 UJ        | < 1 U                 | < 1.1 U        |
| 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       |
| 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        |
| 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       |
| 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       |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | 3.9 J          | < 1 U               | < 2 U          | < 1 U         | < 1 U                 | < 1.1 U        |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 U         | < 2.9 U             | < 20 U         | < 20 U        | < 9.8 U               | < 20 UJ        |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 76 U         | < 11 U              | < 76 U         | < 76 U        | < 38 U                | < 76 U         |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 76 U         | < 11 U              | < 76 U         | < 76 U        | < 38 U                | < 76 U         |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U        | < 17.7 U            | < 177 U        | < 177 U       | < 177 U               | < 177 U        |
| 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        |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | 79             | < 1 U               | < 2 U          | < 1 U         | < 1 U                 | < 1.1 U        |
| 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       |
| 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        |
| 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       |
| 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        |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | 21.9 J         | 3.45 J              | < 19 U         | < 19 U        | < 9.5 U               | < 19 UJ        |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 385 U        | < 38.5 U            | < 385 U        | < 385 U       | < 385 U               | < 385 U        |
| 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        |
| 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        |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 6 of 22)**

| 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                  | --             |
| 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        |
| 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       |
| 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       |
| 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        |
| 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        |
| 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       |
| 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        |
| 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        |
| 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       |
| 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       |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 7 of 22)

| Location       | Well ID   | DVSR | Sample Type | Sample Date | 4-Bromophenyl phenyl ether | 4-Chloro-3-methylphenol | 4-Chlorophenyl phenyl ether | 4-Chlorothianisole | 4-Nitroaniline | 4-Nitrophenol |
|----------------|-----------|------|-------------|-------------|----------------------------|-------------------------|-----------------------------|--------------------|----------------|---------------|
| Units          |           |      |             |             | ug/L                       | ug/L                    | ug/L                        | ug/L               | ug/L           | ug/L          |
| MCL            |           |      |             |             | --                         | --                      | --                          | --                 | --             | --            |
| BCL            |           |      |             |             | --                         | --                      | --                          | --                 | --             | 290           |
| 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       |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1 U                      | < 1 U                   | < 1 U                       | < 19 U             | < 1.3 U        | < 5 U         |
| 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       |
| 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      |
| 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      |
| 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       |
| 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       |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U                      | < 1 U                   | < 1 U                       | < 19 U             | < 1.3 U        | < 5 U         |
| 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       |
| 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       |
| 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      |
| 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      |
| 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       |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U                      | < 1 U                   | < 1 U                       | < 19 U             | < 1.3 U        | < 5 U         |
| 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       |
| 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      |
| 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      |
| 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       |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 1 U                      | < 1 U                   | < 1 U                       | < 19 U             | < 1.3 U        | < 5 U         |
| 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       |
| 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       |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | < 2 U                      | < 2 U                   | < 2 U                       | < 3.2 U            | < 2.9 U        | < 2 U         |
| 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       |
| 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      |
| 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       |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U                      | < 1 U                   | < 1 U                       | < 19 U             | < 1.3 U        | < 5 U         |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 2 U                      | < 2 U                   | < 2 U                       | < 3.3 U            | < 3 U          | < 2 U         |
| 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       |
| 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      |
| 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       |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U                      | < 1 U                   | < 1 U                       | < 19 U             | < 1.3 U        | < 5 U         |
| 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       |
| 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       |
| 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      |
| 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       |
| 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       |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 U                      | < 1 UJ                  | < 1 U                       | < 19 U             | < 1.3 U        | < 5 UJ        |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 U                      | < 1 UJ                  | < 1 U                       | < 19 U             | < 1.3 U        | < 5 UJ        |
| 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       |
| 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       |
| 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      |
| 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       |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 1 U                      | < 1 U                   | < 1 U                       | < 19 U             | < 1.3 U        | < 5 U         |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 U                     | < 20 U                  | < 20 U                      | < 32 U             | < 29 UJ        | < 20 U        |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 76 U                     | < 76 U                  | < 76 U                      | < 126 U            | < 114 U        | < 76 U        |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 76 U                     | < 76 U                  | < 76 U                      | < 126 U            | < 114 U        | < 76 U        |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U                    | < 177 U                 | < 177 U                     | < 177 U            | < 177 UJ       | < 177 U       |
| 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       |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1 U                      | < 1 U                   | < 1 U                       | < 19 U             | < 1.3 U        | < 5 U         |
| 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       |
| 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       |
| 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      |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 19 U                     | < 19 U                  | < 19 U                      | < 31 U             | < 29 UJ        | < 19 U        |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 19 U                     | < 19 U                  | < 19 U                      | < 31 U             | < 29 UJ        | < 19 U        |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 385 U                    | < 385 U                 | < 385 U                     | < 385 U            | < 385 U        | < 385 U       |
| 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       |
| 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       |



**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 8 of 22)**

| 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           |
| 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       |
| 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      |
| 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      |
| 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       |
| 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       |
| 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      |
| 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       |
| 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       |
| 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      |
| 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      |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 9 of 22)**

| 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          | --                          |
| 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                     |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1 U        | < 1 U    | < 2 U        | < 5 U        | < 1 U          | < 1 U                       |
| 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                     |
| 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                     |
| 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                    |
| 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-                   |
| 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-                   |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U        | < 1 U    | < 2 U        | < 5 U        | < 1 U          | < 1 U                       |
| 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                     |
| 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                     |
| 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                     |
| 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                    |
| 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                     |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U        | < 1 U    | < 2 U        | < 5 U        | < 1 U          | < 1 U                       |
| 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                     |
| 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                     |
| 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                    |
| 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                     |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | 2.1 J-       | < 1 U    | 8.2 J        | < 5 U        | < 1 U          | < 1 U                       |
| 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                      |
| 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                     |
| 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                     |
| 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                     |
| 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                    |
| 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                     |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U        | < 1 U    | 6.3 J        | < 5 U        | < 1 U          | < 1 U                       |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 2 U        | < 2.5 U  | 19.2         | < 6 U        | < 2 U          | < 3 U                       |
| 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                     |
| 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                    |
| 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                     |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U        | < 1 U    | < 2 U        | < 5 U        | < 1 U          | < 1 U                       |
| 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                     |
| 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                     |
| 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                    |
| 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                     |
| 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                     |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 U        | < 1 U    | < 2 UJ       | < 5 UJ       | < 1 U          | < 1 U                       |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 U        | < 1 U    | < 2 UJ       | < 5 UJ       | < 1 U          | < 1 U                       |
| 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                     |
| 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                     |
| 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                    |
| 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                     |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 1 U        | < 1 U    | 11           | < 5 U        | < 1 U          | < 1 U                       |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 U       | < 25 U   | 120          | < 59 U       | < 20 U         | < 29 U                      |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 76 U       | < 95 U   | 496 J        | < 229 U      | < 76 U         | < 114 U                     |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 76 U       | < 95 U   | 1120 J       | < 229 U      | < 76 U         | < 114 U                     |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U      | < 177 U  | < 177 U      | < 354 U      | < 177 U        | < 177 U                     |
| 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                     |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1 U        | < 1 U    | < 2 U        | < 5 U        | < 1 U          | < 1 U                       |
| 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                     |
| 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                     |
| 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                    |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 19 U       | < 24 U   | < 63 U       | < 57 U       | < 19 U         | < 29 U                      |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 19 U       | < 24 U   | 244          | < 57 U       | < 19 U         | < 29 U                      |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 385 U      | < 385 U  | 449          | < 769 UJ     | < 385 U        | < 385 U                     |
| 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                     |
| 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                     |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 10 of 22)**

| 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          | --                          |
| 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                     |
| 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                    |
| 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                    |
| 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                     |
| 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                     |
| 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                    |
| 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                     |
| 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                     |
| 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                    |
| 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                    |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 11 of 22)**

| 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                  |
| 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               |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1 U                    | < 1 U                        | < 1 U                      | < 0.19 U                    | < 10 U                        | < 1 U                 |
| 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               |
| 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               |
| 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              |
| 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-             |
| 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-             |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U                    | < 1 U                        | < 1 U                      | < 0.19 U                    | < 10 U                        | < 1 U                 |
| 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               |
| 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               |
| 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               |
| 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              |
| 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               |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U                    | < 1 U                        | < 1 U                      | < 0.19 U                    | < 10 U                        | < 1 U                 |
| 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               |
| 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               |
| 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              |
| 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               |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 1 U                    | < 1 U                        | < 1 U                      | < 0.19 U                    | < 10 U                        | < 1 U                 |
| 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               |
| 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               |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | < 2 U                    | < 2 U                        | < 2 U                      | < 3.2 U                     | < 3.2 U                       | < 2 U                 |
| 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               |
| 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              |
| 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               |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U                    | 15 J-                        | < 1 U                      | < 0.19 U                    | 33 J-                         | < 1 U                 |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 2 U                    | < 2 U                        | < 2 U                      | < 3.3 U                     | 3.91 J                        | < 2 U                 |
| 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               |
| 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              |
| 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               |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U                    | < 1 U                        | < 1 U                      | < 0.19 U                    | < 10 U                        | < 1 U                 |
| 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               |
| 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               |
| 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              |
| 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-             |
| 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-             |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 U                    | < 1 U                        | < 1 U                      | < 0.19 U                    | < 10 U                        | < 1 U                 |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 U                    | < 1 U                        | < 1 U                      | < 0.19 U                    | < 10 U                        | < 1 U                 |
| 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               |
| 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               |
| 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              |
| 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               |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 1 U                    | < 1 U                        | < 1 U                      | 1.3 J                       | 53                            | < 1 U                 |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 U                   | < 20 U                       | < 20 U                     | < 32 U                      | 262                           | < 20 U                |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 76 U                   | < 76 U                       | < 76 U                     | < 126 U                     | 213 J                         | < 76 U                |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 76 U                   | < 76 U                       | < 76 U                     | < 126 U                     | 222 J                         | < 76 U                |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U                  | < 177 U                      | < 177 U                    | < 177 U                     | 59.3 J                        | < 177 U               |
| 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               |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1 U                    | < 1 U                        | < 1 U                      | < 0.19 U                    | < 10 U                        | < 1 U                 |
| 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               |
| 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               |
| 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              |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 19 U                   | < 19 U                       | < 19 U                     | < 31 U                      | < 31 U                        | < 19 U                |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 19 U                   | < 19 U                       | < 19 U                     | 48.9 J                      | 1530                          | < 19 U                |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 385 U                  | < 385 U                      | < 385 U                    | < 385 U                     | 3510                          | < 385 U               |
| 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               |
| 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               |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 12 of 22)**

| 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                  |
| 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               |
| 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              |
| 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              |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | < 1.9 U                  | < 1.9 U                      | < 1.9 U                    | < 3.1 U                     | --                            | < 1.9 U               |
| 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               |
| 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              |
| 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               |
| 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               |
| 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              |
| 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              |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 13 of 22)**

| 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                 | --                   |
| 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              |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| 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              |
| 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              |
| 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             |
| 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              |
| 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              |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| 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              |
| 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              |
| 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              |
| 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             |
| 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              |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| 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              |
| 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              |
| 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             |
| 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              |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| 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               |
| 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              |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | < 0.2 U   | < 2 U        | < 2 U             | < 2 U              | < 2 U                | < 2.9 U              |
| 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              |
| 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             |
| 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              |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 0.2 U   | < 2 U        | < 2 U             | < 2 U              | < 2 U                | < 3 U                |
| 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              |
| 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             |
| 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              |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| 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              |
| 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              |
| 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             |
| 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              |
| 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              |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| 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              |
| 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              |
| 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             |
| 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              |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 2 UJ    | < 20 U       | < 20 U            | < 20 U             | < 20 U               | < 29 U               |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 7.6 U   | < 76 U       | < 76 U            | < 76 U             | < 76 U               | < 114 U              |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 7.6 U   | < 76 U       | < 76 U            | < 76 U             | < 76 U               | < 114 U              |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 17.7 U  | < 177 U      | < 177 U           | < 177 U            | < 177 U              | < 177 U              |
| 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              |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1 U     | < 1 U        | < 1 U             | < 1 U              | < 1 U                | < 5 U                |
| 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              |
| 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              |
| 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             |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 1.9 UJ  | < 19 U       | < 19 U            | < 19 U             | < 19 U               | < 29 U               |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 38.5 U  | < 385 U      | < 385 U           | < 385 U            | < 385 U              | < 385 U              |
| 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              |
| 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              |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 14 of 22)**

| 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                 | --                   |
| 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              |
| 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             |
| 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             |
| 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              |
| 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              |
| 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             |
| 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              |
| 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              |
| 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             |
| 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             |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 15 of 22)

| 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      |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 2.4 U      | < 2 U     |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 0.61 U           | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| 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  |
| 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  |
| 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 |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 1.5 UJ-    | < 1.2 UJ- |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 1.5 UJ-    | < 1.2 UJ- |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | 1.3 J              | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| 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  |
| 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  |
| 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  |
| 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 |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 1.5 U      | < 1.2 UJ- |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 0.61 U           | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| 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  |
| 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  |
| 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 |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 2.4 U      | < 2 U     |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | 1.1 J-             | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | < 13 U             | < 13 U           | < 13 U           | < 11 U        | < 0.76 U     | < 0.76 U  |
| 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  |
| 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   |
| 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  |
| 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  |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | 160 J-             | < 10 U           | < 10 U           | --            | < 2.4 U      | < 2 U     |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | 58 J-              | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| 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   |
| 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  |
| 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 |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 2.4 U      | < 2 U     |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | 5.2 J-             | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| 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  |
| 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  |
| 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 |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 1.5 UJ-    | < 1.2 UJ- |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 1.5 UJ-    | < 1.2 UJ- |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 0.61 U           | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 0.61 U           | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| 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  |
| 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  |
| 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 |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | 520 J-             | < 10 U           | < 10 U           | --            | < 1.5 U      | < 1.2 U   |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | 1600 J             | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | 2790               | < 32 U           | < 32 U           | < 29 U        | < 2 U        | < 2 U     |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | 2590               | < 126 U          | < 126 U          | < 114 U       | < 7.6 U      | < 7.6 U   |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | 2490               | < 126 U          | < 126 U          | < 114 U       | < 7.6 U      | < 7.6 U   |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | 2710               | 1130             | < 177 U          | < 177 U       | < 17.7 U     | < 17.7 U  |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 10 U             | < 10 U           | < 10 U           | --            | < 2.4 U      | < 2 U     |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 0.61 U           | < 0.73 U         | < 0.27 U         | --            | < 1 U        | < 1 U     |
| 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  |
| 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  |
| 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 |
| Up-Gradient    | EA-MW-07  | 55a  | N           | 01/22/09    | < 31 U             | < 31 U           | < 31 U           | < 29 U        | < 1.9 U      | < 1.9 U   |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | 264                | < 31 U           | < 31 U           | < 29 U        | < 1.9 U      | < 1.9 U   |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | 1300               | < 385 U          | < 385 U          | < 385 U       | < 38.5 U     | < 38.5 U  |
| 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  |
| 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  |



**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 16 of 22)**

| 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      |
| 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  |
| 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 |
| 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 |
| 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  |
| 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  |
| 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 |
| 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  |
| 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  |
| 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 |
| 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 |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 17 of 22)**

| Location       | Well ID   | DVSR | Sample Type | Sample Date | Hexachlorobenzene | Hexachlorobutadiene | Hexachlorocyclopentadiene | 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         |
| 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    |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| 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    |
| 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    |
| 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   |
| 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    |
| 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    |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| 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    |
| 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    |
| 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    |
| 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   |
| 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    |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| 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    |
| 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    |
| 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   |
| 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    |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| 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    |
| 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    |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | < 2 U             | < 2 U               | < 2 U                     | < 2 U            | < 3.2 U                   | < 2 U      |
| 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    |
| 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   |
| 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    |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 2 U             | < 2 U               | < 2 U                     | < 2 U            | < 3.3 U                   | < 2 U      |
| 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    |
| 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   |
| 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    |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| 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    |
| 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    |
| 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   |
| 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    |
| 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    |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| 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    |
| 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    |
| 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   |
| 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    |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 U            | < 20 U              | < 20 U                    | < 20 U           | < 32 UJ                   | < 20 U     |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 76 U            | < 76 U              | < 76 U                    | < 76 U           | < 126 U                   | < 76 U     |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 76 U            | < 76 U              | < 76 U                    | < 76 U           | < 126 U                   | < 76 U     |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U           | < 177 U             | < 177 UJ                  | < 177 U          | < 177 U                   | < 177 U    |
| 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    |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1 U             | < 1 U               | < 2.5 UJ                  | < 1 U            | < 1.4 U                   | < 1 U      |
| 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    |
| 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    |
| 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   |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 19 U            | < 19 U              | < 19 U                    | < 19 U           | < 31 U                    | < 19 U     |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 19 U            | < 19 U              | < 19 U                    | < 19 U           | < 31 U                    | < 19 U     |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 385 U           | < 385 U             | < 385 U                   | < 385 U          | < 385 U                   | < 385 U    |
| 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    |
| 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    |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 18 of 22)**

| Location      | Well ID | DVSR | Sample Type | Sample Date | Hexachlorobenzene | Hexachlorobutadiene | Hexachlorocyclopentadiene | 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         |
| 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    |
| 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   |
| 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   |
| 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    |
| 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    |
| 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   |
| 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    |
| 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    |
| 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   |
| 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   |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 19 of 22)**

| 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     | --                |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | < 1.1 U     | < 2 U       | < 2 U        | < 2 U                      | < 1.2 U  | --                |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1.2 U     | < 1 U       | < 1 U        | < 1 U                      | < 2 U    | < 0.68 U          |
| 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           |
| 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           |
| 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          |
| 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 | --                |
| 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-   | --                |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1.2 U     | < 1 U       | < 1 U        | < 1 U                      | < 2 U    | < 0.68 U          |
| 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           |
| 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           |
| 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           |
| 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          |
| 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 | --                |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1.2 U     | < 1 U       | < 1 U        | < 1 U                      | < 2 U    | < 0.68 U          |
| 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           |
| 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           |
| 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          |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | < 1.1 U     | < 2 U       | < 2 U        | < 2 U                      | < 1.2 U  | --                |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 1.2 U     | 19 J-       | < 1 U        | < 1 U                      | < 2 U    | < 0.68 U          |
| 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            |
| 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           |
| 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           |
| 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           |
| 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          |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | < 1.1 U     | < 2 U       | < 2 U        | < 2 U                      | < 1.2 U  | --                |
| 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          |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 3 U       | 0.373 J     | < 3 U        | < 2 U                      | < 2 U    | < 3.3 U           |
| 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           |
| 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          |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | < 1.1 U     | < 2 U       | < 2 U        | < 2 U                      | < 1.2 U  | --                |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1.2 U     | < 1 U       | < 1 U        | < 1 U                      | < 2 U    | < 0.68 U          |
| 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           |
| 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           |
| 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          |
| 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 | --                |
| 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 | --                |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1.2 UJ    | < 1 U       | < 1 U        | < 1 U                      | < 2 UJ   | < 0.68 U          |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1.2 UJ    | < 1 U       | < 1 U        | < 1 U                      | < 2 UJ   | < 0.68 U          |
| 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           |
| 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           |
| 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          |
| 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 | --                |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 1.2 U     | 6 J         | < 1 U        | < 1 U                      | < 2 U    | < 0.68 U          |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 29 U      | < 2.9 U     | < 29 U       | < 20 U                     | < 20 U   | < 32 U            |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 114 U     | < 11 U      | < 114 U      | < 76 U                     | < 76 U   | < 126 U           |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 114 U     | < 11 U      | < 114 U      | < 76 U                     | < 76 U   | < 126 U           |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U     | < 17.7 U    | < 177 U      | < 177 U                    | < 177 U  | < 177 U           |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 1.1 U     | < 2 U       | < 2 U        | < 2 U                      | < 1.2 U  | --                |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1.2 U     | < 1 U       | < 1 U        | < 1 U                      | < 2 U    | < 0.68 U          |
| 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           |
| 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             |
| 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          |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 29 U      | < 2.9 U     | < 29 U       | < 19 U                     | < 19 U   | < 31 U            |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 29 U      | < 2.9 U     | < 29 U       | < 19 U                     | < 19 U   | < 31 U            |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 385 U     | < 38.5 U    | < 385 U      | < 385 U                    | < 385 U  | < 385 U           |
| 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           |
| 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           |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 20 of 22)**

| 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     | --                |
| 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           |
| 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          |
| 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          |
| 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           |
| 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           |
| 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          |
| 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           |
| 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           |
| 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          |
| 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          |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 21 of 22)**

| Location       | Well ID   | DVSR | Sample Type | Sample Date | p-Chloroaniline | p-Chlorobenzene | 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       |
| 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  |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1 U           | < 2.6 U         | < 2.7 U            | < 2 U             | < 4 U    | < 5 U    |
| 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 |
| 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 |
| 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 |
| 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  |
| 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  |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U           | < 2.6 U         | < 2.7 U            | < 2 U             | < 4 U    | < 5 U    |
| 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 |
| 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 |
| 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 |
| 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 |
| 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  |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U           | < 2.6 U         | < 2.7 U            | < 2 U             | < 4 U    | < 5 U    |
| 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 |
| 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 |
| 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 |
| 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  |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 1 U           | < 2.6 U         | < 2.7 U            | 6.6 J-            | 13       | < 5 U    |
| 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  |
| 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 |
| 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 |
| 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 |
| 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 |
| 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  |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U           | 11              | < 2.7 U            | < 2 U             | < 4 U    | < 5 U    |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 2 U           | 14.8            | < 2 U              | < 2 U             | < 1 U    | < 1 U    |
| 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 |
| 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 |
| 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  |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U           | < 2.6 U         | < 2.7 U            | < 2 U             | < 4 U    | < 5 U    |
| 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 |
| 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 |
| 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 |
| 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  |
| 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  |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 U           | < 2.6 UJ        | < 2.7 U            | < 2 UJ            | < 4 UJ   | < 5 U    |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 U           | < 2.6 UJ        | < 2.7 U            | < 2 UJ            | < 4 UJ   | < 5 U    |
| 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 |
| 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 |
| 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 |
| 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  |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 1 U           | < 2.6 U         | < 2.7 U            | < 2 U             | < 4 U    | < 5 U    |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 UJ         | 120             | < 20 U             | < 20 U            | < 9.8 U  | < 9.8 U  |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 76 U          | 279 J           | < 76 U             | < 76 U            | < 38 U   | < 38 U   |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 76 U          | 420             | < 76 U             | < 76 U            | < 38 U   | < 38 U   |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 177 U         | < 177 U         | < 177 U            | < 177 U           | < 177 U  | < 177 U  |
| 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  |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1 U           | < 2.6 U         | < 2.7 U            | < 2 U             | < 4 U    | < 5 U    |
| 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 |
| 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 |
| 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 |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 19 UJ         | < 31 U          | < 19 U             | < 19 U            | < 9.5 U  | < 9.5 U  |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 19 UJ         | 684             | < 19 U             | < 19 U            | 38.3 J   | < 9.5 U  |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 385 U         | 826             | < 385 U            | < 385 U           | 82.6 J   | < 385 U  |
| 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 |
| 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 |

**TABLE 3-4**  
**SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 22 of 22)**

| 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       |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.





**TABLE 3-5**  
**POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 4)**

| 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                 |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |
| 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            |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-5**  
**POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 4)**

| 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       |
| 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- |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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  |
| 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  |
| 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  |
| 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   |
| 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   |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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  |
| 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  |
| 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   |
| 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  |
| 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   |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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  |
| 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  |
| 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 |
| 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- |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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 |
| 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  |
| 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  |
| 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  |
| 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  |
| 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- |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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    |
| 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  |
| 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  |
| 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- |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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  |
| 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  |
| 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   |
| 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   |
| 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   |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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  |
| 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  |
| 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  |
| 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   |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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  |
| 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  |
| 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  |
| 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  |
| 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   |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1 U                | < 1 U      | < 1 U                  | < 1 U                  | < 1 U        | < 1 U      |
| 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  |
| 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  |
| 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 |
| 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  |
| 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   |
| 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  |
| 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  |
| 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  |

**TABLE 3-5**  
**POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 4)**

| 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      |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-6**  
**ORGANOCHLORINE PESTICIDE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 1 of 6)

| Location       | Well ID   | DVSR | Sample Type | Sample Date | 2,4-DDDD   | 2,4-DDE    | 4,4-DDDD    | 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     | --              |
| 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       |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | R          | 0.058 J    | R           | R            | R           | R           | R         | R               |
| 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       |
| 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       |
| 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        |
| 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-      |
| 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-      |
| 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      |
| 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       |
| 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       |
| 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       |
| 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        |
| 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        |
| 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      |
| 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       |
| 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       |
| 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        |
| 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-      |
| 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      |
| 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       |
| 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            |
| 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       |
| 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       |
| 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+         |
| 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        |
| 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         |
| 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       |
| 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       |
| 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+         |
| 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        |
| 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      |
| 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       |
| 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       |
| 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        |
| 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        |
| 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        |
| 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      |
| 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      |
| 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       |
| 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       |
| 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        |
| 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-         |
| 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      |
| 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       |
| 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          |
| 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          |
| 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        |
| 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-      |
| 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      |
| 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       |
| 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       |
| 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        |
| 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       |
| 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      |
| 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        |
| 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       |
| 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          |
| 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        |

**TABLE 3-6**  
**ORGANOCHLORINE PESTICIDE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 6)**

| 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      | --              |
| 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         |
| 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       |
| 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        |
| 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       |
| 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       |
| 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        |
| 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        |
| 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       |
| 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       |
| 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+        |
| 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       |
| 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       |
| 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       |
| 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        |

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 Table 3-2 which includes only 3rd Quarter 2009 data.  
-- = no sample data.

**TABLE 3-6**  
**ORGANOCHLORINE PESTICIDE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 6)**

| 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           |
| 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   |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | R          | R          | 6.7       | R           | R            | R             | R                  | R           |
| 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  |
| 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  |
| 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    |
| 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- |
| 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- |
| 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  |
| 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  |
| 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  |
| 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  |
| 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    |
| 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   |
| 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  |
| 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  |
| 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  |
| 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    |
| 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- |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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    |
| 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   |
| 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  |
| 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  |
| 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  |
| 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    |
| 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   |
| 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  |
| 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  |
| 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  |
| 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    |
| 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   |
| 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   |
| 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  |
| 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  |
| 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  |
| 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  |
| 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    |
| 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- |
| 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  |
| 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  |
| 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  |
| 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 |
| 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    |
| 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- |
| 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  |
| 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  |
| 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  |
| 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    |
| 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  |
| 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 |
| 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    |
| 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  |
| 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 |
| 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    |

**TABLE 3-6**  
**ORGANOCHLORINE PESTICIDE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 6)**

| 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          |
| 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 |
| 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 |
| 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   |
| 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 |
| 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 |
| 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   |
| 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   |
| 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 |
| 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 |
| 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   |
| 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 |
| 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 |
| 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  |
| 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   |

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 Table 3-2 which includes only 3rd Quarter 2009 data.  
-- = no sample data.



**TABLE 3-6**  
**ORGANOCHLORINE PESTICIDE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
 (Page 5 of 6)

| 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         |
| 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  |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | R               | R             | R               | R           | R                  | R          | R            | R         |
| 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  |
| 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  |
| 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  |
| 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- |
| 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- |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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   |
| 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  |
| 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  |
| 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  |
| 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  |
| 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- |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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   |
| 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  |
| 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  |
| 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  |
| 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  |
| 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   |
| 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  |
| 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  |
| 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  |
| 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  |
| 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   |
| 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   |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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- |
| 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  |
| 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  |
| 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  |
| 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 |
| 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  |
| 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- |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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 |
| 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  |
| 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  |
| 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 |
| 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  |

**TABLE 3-6**  
**ORGANOCHLORINE PESTICIDE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 6 of 6)**

| 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         |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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 |
| 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  |

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 Table 3-2 which includes only 3rd Quarter 2009 data.  
-- = no sample data.



**TABLE 3-7**  
**TOTAL METALS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 1 of 8)

| 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       | ug/L         |
| MCL            |           |      |             |             | --       | 6        | 10      | 2000    | 4         | --         | 5          | --           |
| BCL            |           |      |             |             | 36500    | 6        | 10      | 2000    | 4         | 7300       | 5          | --           |
| 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- | 906000       |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 248 U  | < 5.6 U  | 336     | 51      | < 13 U    | < 1800 U   | < 1 U      | 1010000      |
| 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    | 974000       |
| 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    | 964000 J-TDS |
| 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   | 993000       |
| 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   | 483000       |
| 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   | 480000       |
| 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    | 655000       |
| 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    | 717000       |
| 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    | 696000       |
| 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    | 690000 J-TDS |
| 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     | 752000       |
| 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   | 345000       |
| 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    | 477000       |
| 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    | 464000       |
| Cross-Gradient | AA-BW-03A | 55b  | N           | 04/28/09    | 114      | < 0.14 U | 107     | 40.2    | < 0.16 U  | 2730       | < 0.08 U   | 459000 J-TDS |
| 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    |
| 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   | 272000       |
| 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    | 368000       |
| 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    | 362000       |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | 50       | < 0.7 U  | 104     | 49      | < 0.8 U   | 1540       | < 0.4 U    | 354000       |
| 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    | 359000 J-TDS |
| Down-Gradient  | AA-BW-04A | 55b  | N           | 04/20/09    | 530      | < 0.7 U  | 106     | 51      | < 0.8 U   | 1830 J     | < 0.4 U    | 357000 J-TDS |
| 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    | 341000       |
| 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   | 209000       |
| 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    | 353000       |
| 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    | 377000       |
| Down-Gradient  | AA-BW-05A | 55b  | N           | 04/21/09    | 548      | < 0.7 U  | 113     | 47.2    | < 0.8 U   | 2090       | < 0.4 U    | 377000 J-TDS |
| 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    | 325000       |
| 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   | 133000       |
| 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   | 209000       |
| 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   | 335000       |
| 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   | 299000 J-TDS |
| 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    | 314000 J-TDS |
| 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   | 182000       |
| 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   | 180000       |
| 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   | 298000       |
| 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   | 278000       |
| 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     | 341000       |
| 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   | 300000 J-TDS |
| 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    | 280000 J-TDS |
| 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   | 227000       |
| 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    | 293000       |
| 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    | 307000 J-CAB |
| 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    | 345000 J-TDS |
| 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    |
| 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    | 351000       |
| 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   | 1510000      |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 1981 U | < 4.5 U  | 782     | < 105 U | < 26 U    | < 3608 U   | < 8.4 U    | 1660000      |
| 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    | 1650000      |
| 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    | 1560000      |
| 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    | 1410000      |
| 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    | 818000       |
| 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    | 835000 J-TDS |
| 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    | 736000 J-TDS |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 36 U   | < 0.7 U  | 187     | 67.2    | < 0.8 U   | 1540       | < 0.4 U    | 401000       |
| 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    |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 300 U  | < 0.7 U  | 184     | 70.8    | < 0.8 U   | 1600       | < 0.4 U    | 422000 J-TDS |

**TABLE 3-7**  
**TOTAL METALS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 8)**

| 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     | ug/L         |
| MCL           |         |      |             |             | --       | 6         | 10      | 2000   | 4         | --         | 5        | --           |
| BCL           |         |      |             |             | 36500    | 6         | 10      | 2000   | 4         | 7300       | 5        | --           |
| 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  | 229000       |
| 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  | 236000 J-TDS |
| 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 | 278000       |
| Down-Gradient | H-28    | 55a  | N           | 01/26/09    | 148      | < 0.35 U  | 246     | 60.4   | < 0.4 U   | 2360       | < 0.2 U  | 575000       |
| 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  | 559000 J-CAB |
| Down-Gradient | H-28    | 55c  | FD          | 07/22/09    | < 300 U  | < 0.7 U   | 267     | 55.8   | < 0.8 U   | 2360       | < 0.4 U  | 584000 J-TDS |
| Down-Gradient | H-28    | 55c  | N           | 07/22/09    | < 300 U  | < 0.7 U   | 272     | 58     | < 0.8 U   | 2390       | < 0.4 U  | 582000 J-TDS |
| 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 | 223000       |
| 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 | 233000 J-TDS |
| 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  | 246000       |
| Down-Gradient | M7B     | 55a  | N           | 02/03/09    | 89       | < 0.35 U  | 89.3    | 41.4   | < 0.4 U   | 4270       | < 0.2 U  | 626000       |
| Down-Gradient | M7B     | 55b  | N           | 04/23/09    | < 18 U   | < 0.35 U  | 88      | 39.9   | < 0.4 U   | 4520       | < 0.2 U  | 616000 J-TDS |
| 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  | 603000 J-TDS |
| 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  | 589000 J-TDS |

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 Table 3-2 which includes only 3rd Quarter 2009 data.  
-- = no sample data.

**TABLE 3-7**  
**TOTAL METALS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 8)**

| 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    | ug/L          |
| MCL            |           |      |             |             | 100              | 100           | --       | 1300     | --       | 15       | --      | --            |
| BCL            |           |      |             |             | 100              | 100           | 11       | 1360     | 25600    | 15       | 73      | 207000        |
| 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+  | 1090000       |
| 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+  | 1070000       |
| 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     | 1060000       |
| 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     | 1030000 J-TDS |
| 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     | 896000        |
| 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     | 636000        |
| 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+  | 621000        |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 100 U          | < 3 UJ        | < 12 U   | < 24 U   | < 380 U  | < 25 U   | 566     | 682000        |
| 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     | 702000        |
| 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     | 682000        |
| 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     | 662000 J-TDS  |
| 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     | 628000        |
| 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     | 398000        |
| 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     | 418000        |
| 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     | 396000        |
| 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   | 386000 J-TDS  |
| 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     |
| 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     | 526000        |
| 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+  | 395000        |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | < 5 U            | < 10 U        | 1        | < 5.6 U  | 488      | < 1.8 U  | 497     | 429000        |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | < 5 U            | < 10 U        | 1.1      | < 5.6 U  | 563      | < 1.8 U  | 498     | 419000        |
| 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     | 415000 J-TDS  |
| 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     | 412000 J-TDS  |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 5 U            | < 3 U         | < 20 U   | < 5.6 U  | 1330     | < 1.8 U  | 483     | 378000        |
| 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     | 402000        |
| 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+  | 367000        |
| 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  | 449000        |
| 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     | 428000 J-TDS  |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | < 5 U            | < 3 U         | < 20 U   | < 5.6 U  | 1840     | < 1.8 U  | 503     | 376000        |
| 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     | 147000        |
| 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+  | 153000        |
| Down-Gradient  | AA-BW-06A | 55a  | N           | 01/27/09    | 1.1              | < 20 U        | 0.13     | < 1.1 U  | 774      | < 0.36 U | 306     | 213000        |
| 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     | 189000 J-TDS  |
| 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     | 193000 J-TDS  |
| 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     | 104000        |
| 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     | 99800         |
| 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+  | 141000        |
| 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+  | 126000        |
| 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     | 151000        |
| 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     | 132000 J-TDS  |
| 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   | 125000 J-TDS  |
| 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     | 64800         |
| 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+  | 353000        |
| 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  | 376000 J-CAB  |
| 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   | 400000 J-TDS  |
| 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     |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | 5 J              | < 6 U         | < 20 U   | < 5.6 U  | 1370     | < 1.8 U  | 484     | 414000        |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 6.9 U          | < 10 U        | < 1.1 U  | < 19 U   | < 16 U   | 38       | 1670    | 2190000       |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 400 U          | < 3 UJ        | < 49 U   | < 94 U   | < 1520 U | < 98 U   | 918 J   | 2270000       |
| Up-Gradient    | AA-BW-09A | 55a  | N           | 01/20/09    | < 10 U           | < 10 U        | 3.2 J    | < 11 U   | 2330     | < 3.6 U  | 1200    | 2150000       |
| 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    | 2020000       |
| 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    | 1960000       |
| 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     | 819000        |
| 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     | 770000 J-TDS  |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | < 5 U            | --            | < 20 U   | 71.1 J   | 3540     | < 1.8 U  | 666     | 754000 J-TDS  |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 5 U            | < 50 U        | 0.19 J   | < 5.6 U  | 1780     | < 1.8 U  | 408     | 339000        |
| 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     |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 5 U            | < 6 U         | < 20 U   | 23.7 J   | 3060     | < 1.8 U  | 477     | 361000 J-TDS  |

**TABLE 3-7**  
**TOTAL METALS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 8)**

| 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    | ug/L         |
| MCL           |         |      |             |             | 100              | 100           | --       | 1300     | --    | 15       | --      | --           |
| BCL           |         |      |             |             | 100              | 100           | 11       | 1360     | 25600 | 15       | 73      | 207000       |
| 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     | 333000       |
| 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+  | 357000 J-TDS |
| 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     | 330000       |
| Down-Gradient | H-28    | 55a  | N           | 01/26/09    | < 2.5 U          | < 10 U        | 11.5     | < 2.8 U  | 926   | < 0.9 U  | 627     | 576000       |
| Down-Gradient | H-28    | 55b  | N           | 04/22/09    | < 2.5 U          | < 3 U         | 12.5     | < 2.8 U  | 506   | < 0.9 U  | 605     | 548000 J-CAB |
| Down-Gradient | H-28    | 55c  | FD          | 07/22/09    | < 5 U            | < 3 U         | < 20 U   | < 5.6 U  | 2040  | < 1.8 U  | 650 J   | 544000 J-TDS |
| Down-Gradient | H-28    | 55c  | N           | 07/22/09    | < 5 U            | < 3 U         | < 20 U   | 13.1     | 2090  | < 1.8 U  | 647 J   | 560000 J-TDS |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | 1.5              | < 250 U       | 0.5      | < 1.1 U  | 46700 | 0.45     | 319     | 188000       |
| Down-Gradient | H-43    | 55b  | N           | 04/21/09    | < 1 U            | < 300 U       | < 0.02 U | < 1.1 U  | 16800 | < 0.36 U | 318     | 183000 J-TDS |
| Down-Gradient | H-43    | 55c  | N           | 07/30/09    | < 5 U            | < 3 U         | 0.45 J   | < 5.6 U  | 10400 | < 1.8 U  | 315     | 193000 J+    |
| Down-Gradient | M7B     | 55a  | N           | 02/03/09    | < 2.5 U          | < 10 U        | 0.35     | < 2.8 U  | 998   | < 0.9 U  | 442     | 447000       |
| Down-Gradient | M7B     | 55b  | N           | 04/23/09    | < 2.5 U          | < 3 U         | 0.21 J   | < 2.8 U  | 486   | < 0.9 U  | 421     | 417000 J-TDS |
| Down-Gradient | M7B     | 55c  | FD          | 07/28/09    | < 5 U            | < 3 U         | 0.85 J   | < 5.6 U  | 2370  | < 1.8 U  | 398     | 409000 J-TDS |
| Down-Gradient | M7B     | 55c  | N           | 07/28/09    | 5.5 J            | < 3 U         | 0.72 J   | < 5.6 U  | 2430  | < 1.8 U  | 401     | 398000 J-TDS |

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 Table 3-2 which includes only 3rd Quarter 2009 data.  
-- = no sample data.

**TABLE 3-7**  
**TOTAL METALS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 5 of 8)**

| 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     | ug/L        | ug/L     | ug/L      | ug/L          |
| MCL            |           |      |             |             | --        | 2          | --         | --       | --          | 50       | --        | --            |
| BCL            |           |      |             |             | 510       | 10.95      | 180        | 730      | --          | 50       | 180       | --            |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | 1740      | < 0.046 U  | 17.5 J+    | < 1.6 U  | 28500       | < 2.7 U  | < 2.2 U   | 1470000       |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | 2020      | R          | < 11 U     | 36.6 J   | 28700       | < 12 U   | < 5.1 U   | 2780000       |
| Cross-Gradient | AA-BW-01A | 55a  | N           | 01/19/09    | 2000      | < 0.027 U  | 10.5 J     | 5.5 J    | 29000       | < 7 U    | < 1.6 U   | 2710000       |
| Cross-Gradient | AA-BW-01A | 55b  | N           | 04/27/09    | 1920      | < 0.027 U  | 10.4 J     | 4.8 J    | 31500 J-TDS | < 3.5 U  | < 0.8 U   | 3020000 J-TDS |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | 1880      | < 0.027 UJ | 9.9        | 8.8      | 33400       | < 3.5 U  | < 10 U    | 2970000       |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | 1400      | < 0.046 U  | 30.4 J     | 16.6 J   | 18800       | < 2.7 U  | < 2.2 U   | 1440000       |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | 1460      | < 0.046 U  | 33.5 J     | 16.4 J   | 18200       | < 2.7 U  | < 2.2 U   | 1440000       |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | 1590      | < 0.093 U  | 34.6 J     | < 24 U   | 18900       | < 24 U   | < 10 U    | 1640000       |
| Cross-Gradient | AA-BW-02A | 55a  | FD          | 01/30/09    | 1600      | < 0.027 U  | 29         | 3.4 J    | 19900       | < 3.5 U  | < 0.8 U   | 1780000       |
| Cross-Gradient | AA-BW-02A | 55a  | N           | 01/19/09    | 1600      | < 0.027 U  | 29.1       | 3.5 J    | 19600       | < 3.5 U  | < 0.8 U   | 1720000       |
| Cross-Gradient | AA-BW-02A | 55b  | N           | 04/27/09    | 1560      | < 0.027 U  | 27.7       | 2.9 J    | 21600 J-TDS | < 3.5 U  | < 0.8 U   | 1910000 J-TDS |
| Cross-Gradient | AA-BW-02A | 55c  | N           | 07/20/09    | 1560      | < 0.027 UJ | 28.8       | 8        | 23500       | < 3.5 U  | < 0.075 U | 1970000       |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | 1150      | < 0.046 U  | 39.2 J     | 11.9 J   | 15800       | < 2.7 U  | < 2.2 U   | 995000        |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | 1280      | < 0.093 U  | < 11 U     | 17.6 J   | 16600       | < 12 U   | < 5.1 U   | 1200000       |
| Cross-Gradient | AA-BW-03A | 55a  | N           | 01/21/09    | 1230      | < 0.027 U  | 37.6       | 4.4 J    | 16600       | < 3.5 U  | < 0.8 U   | 1160000       |
| Cross-Gradient | AA-BW-03A | 55b  | N           | 04/28/09    | 1240      | < 0.027 U  | 38         | 2.4 J    | 16400 J-TDS | < 1.4 U  | < 0.32 U  | 1270000 J-TDS |
| 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     |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | 587 J     | < 0.046 U  | < 12 U     | < 6.3 U  | 63900       | < 2.7 U  | < 2.2 U   | 9150000       |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | 519       | < 0.093 U  | < 11 U     | 19 J     | 43400       | < 12 U   | < 5.1 U   | 7020000       |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | 552       | < 0.027 U  | 17.6       | 3        | 50400       | 8.5      | < 1.6 U   | 6420000       |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | 543       | < 0.027 U  | 16.1       | 4.4      | 48900       | 12.2     | < 1.6 U   | 6270000       |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | 675       | < 0.027 UJ | 17.1 J     | 4.9 J    | 44900 J-TDS | < 7 U    | < 1.6 U   | 5900000 J-TDS |
| Down-Gradient  | AA-BW-04A | 55b  | N           | 04/20/09    | 645       | < 0.027 UJ | 16.5 J     | 4.7 J    | 45400 J-TDS | < 7 U    | < 1.6 U   | 5900000 J-TDS |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | 621       | < 0.027 U  | 16.2 J     | 7.3 J    | 49900       | < 7 U    | < 0.15 U  | 5420000       |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | 420 J     | < 0.046 U  | 36.5 J     | < 3.1 U  | 50000       | < 2.7 U  | < 2.2 U   | 4250000       |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | 355       | < 0.093 U  | < 11 U     | 17.6 J   | 51300       | < 12 U   | < 5.1 U   | 7510000       |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | 335       | < 0.027 U  | 13 J       | 3.5 J    | 70300       | < 7 U    | < 1.6 U   | 8880000       |
| Down-Gradient  | AA-BW-05A | 55b  | N           | 04/21/09    | 400       | < 0.027 U  | 22.2 J     | 4 J      | 77800 J-TDS | < 7 U    | < 1.6 U   | 8500000 J-TDS |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | 383       | < 0.027 U  | 20.4 J     | 6.6 J    | 82000       | 8.6 J    | < 20 U    | 7600000       |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | 344       | < 0.046 U  | 15.1 J     | < 0.63 U | 22800       | < 2.7 U  | < 2.2 U   | 988000        |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | 135       | < 0.093 U  | < 9 U      | < 9.7 U  | 24400       | < 9.6 U  | < 4.1 U   | 958000        |
| Down-Gradient  | AA-BW-06A | 55a  | N           | 01/27/09    | 195       | < 0.027 U  | 27.6       | 1.6      | 33600       | 2.5      | < 0.32 U  | 1230000       |
| Down-Gradient  | AA-BW-06A | 55b  | N           | 04/22/09    | 194       | < 0.027 U  | 29.1       | 1.2 J    | 32000 J-TDS | < 1.4 U  | < 0.32 U  | 1190000 J-TDS |
| Down-Gradient  | AA-BW-06A | 55c  | N           | 07/30/09    | 174       | < 0.027 UJ | 22.9 J     | 6.2 J    | 32100 J-TDS | < 7 U    | < 0.15 U  | 1230000 J-TDS |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | 338       | < 0.046 U  | 58.1       | 7.2 J    | 20300       | < 2.7 U  | < 2.2 U   | 565000        |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | 300       | < 0.046 U  | 59.3       | 7 J      | 19800       | < 2.7 U  | < 2.2 U   | 560000        |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | 24.5 J    | < 0.093 U  | < 9 U      | 10.1 J   | 21300       | < 9.6 U  | < 4.1 U   | 759000        |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | 22.6 J    | < 0.093 U  | < 9 U      | < 9.7 U  | 19500       | < 9.6 U  | < 4.1 U   | 681000        |
| Cross-Gradient | AA-BW-07A | 55a  | N           | 01/21/09    | 29.3      | < 0.027 U  | 43.3       | 2.5 J    | 21400       | < 1.4 U  | < 0.32 U  | 834000        |
| Cross-Gradient | AA-BW-07A | 55b  | N           | 04/23/09    | 34.1      | < 0.027 U  | 41.3       | 1.7 J    | 22800 J-TDS | < 1.4 U  | < 0.32 U  | 856000 J-TDS  |
| Cross-Gradient | AA-BW-07A | 55c  | N           | 07/22/09    | 24.9      | < 0.027 U  | < 50 U     | 5.3 J    | 23900 J-TDS | < 50 U   | < 0.15 U  | 842000 J-TDS  |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | 36.7 J    | < 0.046 U  | < 12 U     | < 6.3 U  | 6770        | 5.6      | < 2.2 U   | 1270000       |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | 80.9      | < 0.093 U  | < 11 U     | 14.7 J   | 28300       | < 12 U   | < 5.1 U   | 6010000       |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | 87.8      | < 0.027 U  | 29.8 J     | < 3 U    | 31900 J-CAB | < 7 U    | < 1.6 U   | 5810000 J-CAB |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | 103       | < 0.027 U  | 27.3 J     | 3.1 J    | 36800 J-TDS | < 7 U    | < 1.6 U   | 6800000 J-TDS |
| 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     |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | 90.4      | < 0.027 UJ | 24.6 J     | < 50 U   | 36800       | < 7 U    | < 0.15 U  | 6940000       |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | 2370      | < 0.046 U  | < 12 U     | < 6.3 U  | 77500       | < 2.7 U  | < 2.2 U   | 1120000       |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | 2680      | < 0.093 U  | 66.9 J     | < 97 U   | 82600       | < 96 U   | < 41 U    | 15300000      |
| Up-Gradient    | AA-BW-09A | 55a  | N           | 01/20/09    | 2710      | < 0.027 U  | 70.9 J     | 7.3 J    | 90700       | < 14 U   | < 3.2 U   | 16000000      |
| Up-Gradient    | AA-BW-09A | 55b  | N           | 04/29/09    | 2620      | < 0.027 U  | 72.6       | 5.4 J    | 95800       | < 7 U    | < 1.6 U   | 16800000      |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | 2600      | < 0.2 U    | 71.8       | 11.5 J   | 87400       | < 50 U   | 0.31 J    | 15400000      |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | 1250      | < 0.027 U  | 35.1 J     | 6 J      | 32100       | < 7 U    | < 1.6 U   | 4670000       |
| Up-Gradient    | AA-MW-07  | 55b  | N           | 04/24/09    | 1220      | < 0.027 U  | 32.6       | 3.8 J    | 36600 J-TDS | < 3.5 U  | < 0.8 U   | 4960000 J-TDS |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | 1200      | < 0.2 U    | < 50 U     | 9.8 J    | 35500 J-TDS | < 50 UJ  | < 0.15 U  | 4960000 J-TDS |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | 1100      | < 0.027 U  | 23.6 J     | 3.3 J    | 28200       | < 7 U    | < 1.6 U   | 3730000       |
| 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     |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | 1200      | < 0.2 U    | < 50 U     | 7.5 J    | 33400 J-TDS | < 50 UJ  | < 0.15 U  | 4410000 J-TDS |

**TABLE 3-7**  
**TOTAL METALS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 6 of 8)**

| 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   | ug/L        | ug/L     | ug/L     | ug/L          |
| MCL           |         |      |             |             | --        | 2          | --         | --     | --          | 50       | --       | --            |
| BCL           |         |      |             |             | 510       | 10.95      | 180        | 730    | --          | 50       | 180      | --            |
| Down-Gradient | H-21R   | 55a  | N           | 01/23/09    | 400       | < 0.027 U  | 3.7 J      | 2.5 J  | 40500       | < 3.5 U  | < 0.8 U  | 4350000       |
| Down-Gradient | H-21R   | 55b  | N           | 04/16/09    | 360       | < 0.027 UJ | 1.8 J      | 3.3 J  | 40100 J-TDS | < 3.5 UJ | < 0.8 U  | 4400000 J-TDS |
| Down-Gradient | H-21R   | 55c  | N           | 07/16/09    | 500       | R          | 4 J        | 3.3 J  | 45000       | < 3.5 U  | < 10 U   | 4040000       |
| Down-Gradient | H-28    | 55a  | N           | 01/26/09    | 2060      | < 0.027 U  | 29.9       | 6.1    | 20200       | < 3.5 U  | < 0.8 U  | 1480000       |
| Down-Gradient | H-28    | 55b  | N           | 04/22/09    | 2060      | < 0.027 U  | 31.7       | 6.5 J  | 18700 J-CAB | < 3.5 U  | < 0.8 U  | 1470000 J-CAB |
| Down-Gradient | H-28    | 55c  | FD          | 07/22/09    | 2040      | < 0.027 U  | < 50 U     | 10.9 J | 20400 J-TDS | < 7 U    | < 0.15 U | 1410000 J-TDS |
| Down-Gradient | H-28    | 55c  | N           | 07/22/09    | 2110      | < 0.027 U  | < 50 U     | 10.1 J | 21100 J-TDS | < 7 U    | < 0.15 U | 1390000 J-TDS |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | 342       | < 0.027 U  | 15         | 3.3    | 25000       | 1.4      | < 0.32 U | 1110000       |
| Down-Gradient | H-43    | 55b  | N           | 04/21/09    | 383       | < 0.027 U  | 13.8       | 2.6 J  | 25300 J-TDS | 1.4 J+   | < 0.32 U | 1120000 J-TDS |
| Down-Gradient | H-43    | 55c  | N           | 07/30/09    | 280       | < 0.027 UJ | 10.9 J     | 6.3 J  | 23800       | < 7 U    | < 0.15 U | 1110000       |
| Down-Gradient | M7B     | 55a  | N           | 02/03/09    | 1.9       | < 0.027 U  | 26.7       | 3.1    | 30000       | 11.6     | < 0.8 U  | 1690000       |
| Down-Gradient | M7B     | 55b  | N           | 04/23/09    | < 1.6 U   | 0.029 J    | 25.6       | 1.9 J  | 28000 J-TDS | < 3.5 U  | < 0.8 U  | 1680000 J-TDS |
| Down-Gradient | M7B     | 55c  | FD          | 07/28/09    | < 3.1 U   | < 0.2 U    | 23 J       | 8.5 J  | 25400 J-TDS | < 7 U    | < 0.15 U | 1580000 J-TDS |
| Down-Gradient | M7B     | 55c  | N           | 07/28/09    | < 3.1 U   | < 0.2 U    | 24 J       | 10.2 J | 25400 J-TDS | 8.7 J    | < 0.15 U | 1560000 J-TDS |

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 Table 3-2 which includes only 3rd Quarter 2009 data.  
-- = no sample data.



**TABLE 3-7**  
**TOTAL METALS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 7 of 8)**

| 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   |
| 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     |
| 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 |
| 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  |
| 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  |
| 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   |
| 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     |
| 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     |
| 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   |
| 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  |
| 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  |
| 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  |
| 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   |
| 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      |
| 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  |
| 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  |
| 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   |
| 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  |
| 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     |
| 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 |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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    |
| 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 |
| 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  |
| 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  |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | 19400     | < 20 U   | < 20 U   | 3.9      | < 50 U    | 26.1    | 178      | < 20 U  |
| 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     |
| 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 |
| 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   |
| 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   |
| 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 |
| 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     |
| 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     |
| 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 |
| 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 |
| 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   |
| 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   |
| 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  |
| 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    |
| 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 |
| 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  |
| 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  |
| 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  |
| 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  |
| 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     |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | 53500     | < 120 U  | < 93 U   | < 60 U   | < 94 U    | 265     | < 418 U  | 978 J   |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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 |
| 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  |
| 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  |
| 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 |

**TABLE 3-7**  
**TOTAL METALS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 8 of 8)**

| 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   |
| 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  |
| 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  |
| 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   |
| Down-Gradient | H-28    | 55a  | N           | 01/26/09    | 18900     | 0.31     | < 0.85 U | 5.6      | 5         | 74.9    | 19.2     | < 10 U  |
| 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  |
| 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  |
| 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  |
| 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     |
| 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    |
| 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- |
| 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  |
| 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  |
| 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 |
| 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 |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-8**  
**DIOXINS/FURANS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 4)**

| 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                |
| 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             |
| 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           |
| 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            |
| 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           |
| 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             |
| 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           |
| 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            |
| 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           |
| 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           |
| 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            |
| 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           |
| 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           |
| 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           |
| 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           |
| 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           |
| 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           |
| 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            |
| 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           |
| 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           |
| 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           |
| 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          |
| 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            |
| 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           |
| 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           |
| 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           |
| 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          |
| 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            |
| 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           |
| 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           |
| 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             |
| 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           |
| 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            |
| 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           |
| 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            |
| 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           |
| 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           |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 4.3 U             | < 6.3 U             | < 1 U               | < 2 U             | < 5.6 U           | < 1.6 U           | < 5 U             | < 1.3 U           | < 4.9 U           |
| 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            |
| 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           |
| 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             |
| 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          |
| 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          |
| 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            |
| 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           |
| 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          |
| 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            |
| 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            |
| 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           |
| 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           |
| 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           |
| 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           |
| 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            |
| 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           |
| 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          |
| 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            |
| 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            |
| 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           |

**TABLE 3-8**  
**DIOXINS/FURANS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 4)**

| 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                |
| 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           |
| 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            |
| 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           |
| 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          |
| 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            |
| 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            |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-8**  
**DIOXINS/FURANS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 4)**

| 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         | --       | --      | --       |
| 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      |
| 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      |
| 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   |
| 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     |
| 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  | < 5.2 U | 7.3      |
| 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      |
| 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   |
| 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      |
| 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     |
| 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   |
| 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      |
| 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      |
| 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      |
| 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      |
| 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      |
| 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      |
| 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     |
| 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     |
| 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     |
| 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     |
| 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      |
| 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      |
| 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     |
| 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      |
| 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      |
| 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       |
| 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   |
| 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      |
| 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      |
| 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      |
| 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      |
| 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   |
| 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      |
| 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      |
| 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      |
| 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     |
| 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      |
| 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    |
| 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      |
| 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      |
| 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        |
| 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      |
| 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   |
| 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      |
| 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     |
| 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       |
| 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      |
| 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     |
| 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     |
| 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       |
| 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      |
| 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    |
| 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      |
| 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      |
| 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   |
| 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   |
| 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      |

**TABLE 3-8**  
**DIOXINS/FURANS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 4)**

| 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         | --      | --      | --       |
| 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     |
| 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   |
| 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      |
| 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        |
| 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   |
| 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   |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-9**  
**POLYCHLORINATED BIPHENYL (PCB) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 2)**

| 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            |           |      |             |             | --      | --      | --      | --      | --      | --      | --      |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Cross-Gradient | AA-BW-02A | 55c  | N           | 07/20/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Cross-Gradient | AA-BW-03A | 55c  | N           | 07/23/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 UJ | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | 26      | < 20 U  | 50      | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55b  | N           | 04/20/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 UJ | < 20 U  |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 20 U  | < 20 U  | 21      | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | AA-BW-05A | 55b  | N           | 04/21/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 UJ | < 20 U  |
| Down-Gradient  | AA-BW-06A | 55a  | N           | 01/27/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | AA-BW-06A | 55b  | N           | 04/22/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | AA-BW-06A | 55c  | N           | 07/30/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 UJ | < 20 U  |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 UJ | < 20 U  |
| Cross-Gradient | AA-BW-07A | 55c  | N           | 07/22/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 UJ |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 U  | < 20 U  | 30      | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 20 UJ | < 20 UJ | < 20 UJ | < 20 UJ | < 20 UJ | < 20 UJ | < 20 UJ |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 93 U  | < 93 U  | < 93 U  | < 93 U  | < 93 U  | < 19 U  | < 19 U  |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Up-Gradient    | AA-BW-09A | 55a  | N           | 01/20/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Up-Gradient    | AA-BW-09A | 55b  | N           | 04/29/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Up-Gradient    | AA-MW-07  | 55b  | N           | 04/24/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | --      | --      | --      | --      | --      | < 20 U  | < 20 U  |
| Up-Gradient    | EC-2      | 55b  | N           | 04/24/09    | < 20 UJ | < 20 UJ | < 20 UJ | < 20 UJ | < 20 UJ | < 20 UJ | < 20 UJ |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 350 U | < 350 U | < 350 U | < 350 U | < 350 U | < 350 U | < 350 U |
| Down-Gradient  | H-21R     | 55a  | N           | 01/23/09    | < 20 U  | < 20 U  | 25      | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | H-21R     | 55b  | N           | 04/16/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | H-21R     | 55c  | N           | 07/16/09    | < 100 U | < 100 U | < 100 U | < 100 U | < 100 U | < 100 U | < 100 U |
| Down-Gradient  | H-28      | 55a  | N           | 01/26/09    | < 20 U  | < 20 U  | 21      | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | H-28      | 55b  | N           | 04/22/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | H-28      | 55c  | FD          | 07/22/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Down-Gradient  | H-28      | 55c  | N           | 07/22/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Down-Gradient  | H-43      | 55a  | N           | 01/27/09    | < 20 U  | < 20 U  | 26      | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | H-43      | 55b  | N           | 04/21/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 UJ | < 20 U  | < 20 U  |
| Down-Gradient  | H-43      | 55c  | N           | 07/30/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Down-Gradient  | M7B       | 55a  | N           | 02/03/09    | < 20 U  | < 20 U  | 51      | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | M7B       | 55b  | N           | 04/23/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  | < 20 U  |
| Down-Gradient  | M7B       | 55c  | FD          | 07/28/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  |
| Down-Gradient  | M7B       | 55c  | N           | 07/28/09    | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 U  | < 19 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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-9**  
**POLYCHLORINATED BIPHENYL (PCB) RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 2)**

| 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            |           |      |             |             | --      | --      | --      | --       | --       | --      |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Cross-Gradient | AA-BW-02A | 55c  | N           | 07/20/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Cross-Gradient | AA-BW-03A | 55c  | N           | 07/23/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55b  | N           | 04/20/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 94 U   | < 19 U  |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-05A | 55b  | N           | 04/21/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 33 U   | < 19 U  |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-06A | 55a  | N           | 01/27/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-06A | 55b  | N           | 04/22/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | AA-BW-06A | 55c  | N           | 07/30/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Cross-Gradient | AA-BW-07A | 55c  | N           | 07/22/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 470 U  | < 470 U |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 20 U  | < 20 U  | < 20 U  | --       | < 20 U   | < 20 U  |
| Up-Gradient    | AA-BW-09A | 55a  | N           | 01/20/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Up-Gradient    | AA-BW-09A | 55b  | N           | 04/29/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Up-Gradient    | AA-MW-07  | 55b  | N           | 04/24/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | --       | --      |
| Up-Gradient    | EC-2      | 55b  | N           | 04/24/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | < 350 U | < 350 U | < 350 U | < 350 U  | < 1800 U | < 860 U |
| Down-Gradient  | H-21R     | 55a  | N           | 01/23/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | H-21R     | 55b  | N           | 04/16/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | H-21R     | 55c  | N           | 07/16/09    | < 100 U | < 100 U | < 100 U | < 1000 U | < 400 U  | < 400 U |
| Down-Gradient  | H-28      | 55a  | N           | 01/26/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | H-28      | 55b  | N           | 04/22/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | H-28      | 55c  | FD          | 07/22/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Down-Gradient  | H-28      | 55c  | N           | 07/22/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Down-Gradient  | H-43      | 55a  | N           | 01/27/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | H-43      | 55b  | N           | 04/21/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | H-43      | 55c  | N           | 07/30/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Down-Gradient  | M7B       | 55a  | N           | 02/03/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | M7B       | 55b  | N           | 04/23/09    | < 20 U  | < 20 U  | < 20 U  | < 20 U   | < 20 U   | < 20 U  |
| Down-Gradient  | M7B       | 55c  | FD          | 07/28/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 U  |
| Down-Gradient  | M7B       | 55c  | N           | 07/28/09    | < 19 U  | < 19 U  | < 19 U  | < 190 U  | < 19 U   | < 19 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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-10**  
**GENERAL CHEMISTRY AND PERCHLORATE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 4)**

| 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       |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | 130 J    | --         | < 100 U  | 7270        | --          | --       | 410        |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 620 U  | < 5000 U   | < 1000 U | 7180        | 14400       | < 1000 U | 1900       |
| Cross-Gradient | AA-BW-01A | 55a  | N           | 01/19/09    | 960 J    | 1900 J     | < 47 U   | 7440        | 14900       | --       | 1600       |
| 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 |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | < 260 U  | < 5000 U   | < 470 U  | 7600        | 15200       | < 400 U  | 1800       |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | 130 J    | --         | < 100 U  | 289         | --          | --       | 200        |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | 140 J    | --         | < 100 U  | 299         | --          | --       | 180        |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 620 U  | < 5000 U   | < 1000 U | 5090        | 10200       | < 1000 U | 1100       |
| Cross-Gradient | AA-BW-02A | 55a  | FD          | 01/30/09    | 1100 J   | 2200 J     | < 47 U   | 4930        | 9870        | --       | 1000       |
| Cross-Gradient | AA-BW-02A | 55a  | N           | 01/19/09    | 930 J    | 1900 J     | < 47 U   | 4860        | 9720        | --       | 1000       |
| 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 |
| Cross-Gradient | AA-BW-02A | 55c  | N           | 07/20/09    | < 520 U  | < 10000 U  | < 47 U   | 5030        | 10100       | 530      | 990 J      |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | 130 J    | --         | < 100 U  | 292 J+      | --          | --       | 190        |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 620 U  | < 5000 U   | < 1000 U | 3190        | 6380        | < 400 U  | 500 J      |
| Cross-Gradient | AA-BW-03A | 55a  | N           | 01/21/09    | 770 J    | 1500 J     | < 47 U   | 2960        | 5930        | --       | 570 J      |
| Cross-Gradient | AA-BW-03A | 55b  | N           | 04/28/09    | 640      | 1300       | < 47 U   | 3000 J-TDS  | 5990        | < 400 U  | 720 J-TDS  |
| 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  |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | 270      | --         | < 100 U  | 1380        | --          | --       | 640 J-     |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | 19400 J+ | 38900 J+   | < 1000 U | 10100       | 20200       | < 1000 U | < 250 U    |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | < 2600 U | < 50000 U  | < 470 U  | 9440        | 18900       | < 400 U  | 1100       |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | < 2600 U | < 50000 U  | < 470 U  | 9010        | 18000       | < 400 U  | 1100       |
| 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  |
| 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  |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | 800 J    | 1600 J     | < 470 U  | 9000        | 1800 J      | < 2000 U | 690 J      |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | 150 J    | --         | 240      | 727         | --          | --       | 160        |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | < 6200 U | < 50000 U  | < 1000 U | 9110        | 18200       | < 1000 U | 750 J      |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 260 U  | < 5000 U   | < 470 U  | 12100       | 24300       | --       | 1100       |
| 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  |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | 1800 J   | 3500 J     | < 470 U  | 10900       | 21800       | < 2000 U | 780 J      |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | 61 J     | --         | < 100 U  | 204         | --          | --       | 250        |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | < 620 U  | < 5000 U   | < 1000 U | 1460        | 2930        | < 400 U  | 2800       |
| Down-Gradient  | AA-BW-06A | 55a  | N           | 01/27/09    | 1400     | 2900       | < 47 U   | 2580        | 5160        | < 80 U   | 2500       |
| 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 |
| Down-Gradient  | AA-BW-06A | 55c  | N           | 07/30/09    | 1200     | 2300       | < 47 U   | 2080        | 4160        | < 400 U  | 2600       |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | 860      | --         | 150 J    | 1810        | --          | --       | 2400       |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | 1200     | --         | 430      | 1020        | --          | --       | 2100       |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | 2200 J+  | 4400 J+    | < 1000 U | 1410        | 2820        | < 200 U  | 2000       |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | 3300 J+  | 6500 J+    | < 1000 U | 1130        | 2250        | < 100 U  | 2700       |
| Cross-Gradient | AA-BW-07A | 55a  | N           | 01/21/09    | 1500     | 3000       | 68 J     | 1610        | 3230        | --       | 1900       |
| 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 |
| 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 |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | < 2000 U | --         | 71900    | 8240        | --          | --       | < 1000 U   |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 6200 U | < 50000 U  | < 1000 U | 9200        | 18400       | < 1000 U | < 250 U    |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | < 260 U  | < 5000 U   | < 470 U  | 10700 J-CAB | 21400       | --       | 410 J      |
| 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 |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | 720 J    | 1400 J     | < 470 U  | R-CAB&TDS   | 18700       | --       | R-CAB&TDS  |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | 390 J    | 780 J      | < 470 U  | 9960        | 19900       | < 400 U  | 350 J      |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 20 U   | --         | < 100 U  | 1130 J      | --          | --       | 1300       |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 6200 U | < 50000 U  | < 1000 U | 31100       | 62300       | < 4000 U | 7000       |
| Up-Gradient    | AA-BW-09A | 55a  | N           | 01/20/09    | < 2600 U | < 50000 U  | < 470 U  | 30900       | 61700       | --       | < 100 U    |
| Up-Gradient    | AA-BW-09A | 55b  | N           | 04/29/09    | 1100 J   | 2100 J     | < 470 U  | 30700       | 61500       | < 2000 U | < 100 U    |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | < 2600 U | < 50000 U  | < 4700 U | 28700       | 57400       | < 400 U  | 1500 J     |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 260 U  | < 5000 U   | < 47 U   | 9790        | 19600       | --       | 1500       |
| Up-Gradient    | AA-MW-07  | 55b  | N           | 04/24/09    | < 2600 U | < 50000 U  | < 470 U  | 9000 J-TDS  | 18000       | R        | 1500 J-TDS |
| 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 |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | 1100 J   | 2200 J     | < 47 U   | 6380        | 12800       | --       | 1400       |
| Up-Gradient    | EC-2      | 55b  | N           | 04/24/09    | < 2600 U | < 50000 U  | < 470 U  | R-CAB&TDS   | 11000       | < 80 U   | R-CAB&TDS  |
| 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 |

**TABLE 3-10**  
**GENERAL CHEMISTRY AND PERCHLORATE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 4)**

| 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       |
| Down-Gradient | H-21R   | 55a  | N           | 01/23/09    | < 260 U  | < 5000 U   | 92 J     | 6220       | 12400      | --       | < 100 U    |
| Down-Gradient | H-21R   | 55b  | N           | 04/16/09    | < 5200 U | < 100000 U | < 47 U   | 5940 J-TDS | 11900      | 2100     | < 100 U    |
| Down-Gradient | H-21R   | 55c  | N           | 07/16/09    | < 520 U  | < 10000 U  | < 47 U   | 5320       | 10600      | < 200 U  | 1300 J     |
| Down-Gradient | H-28    | 55a  | N           | 01/26/09    | 660      | 1300       | < 47 U   | 3910       | 7810       | < 200 U  | 1000       |
| Down-Gradient | H-28    | 55b  | N           | 04/22/09    | < 260 U  | < 5000 U   | < 47 U   | 4460 J-CAB | 8920       | < 400 U  | 920 J-CAB  |
| 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 |
| 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 |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | 700      | 1400       | < 47 U   | 1850       | 3710       | < 80 U   | 2000       |
| Down-Gradient | H-43    | 55b  | N           | 04/21/09    | 560      | 1100       | < 47 U   | 1720 J-TDS | 3430       | < 400 U  | 1900 J-TDS |
| Down-Gradient | H-43    | 55c  | N           | 07/30/09    | 680      | 1400       | < 47 U   | 1740 J-TDS | 3480 J-TDS | < 80 U   | 2100 J-TDS |
| Down-Gradient | M7B     | 55a  | N           | 02/03/09    | 1200     | 2500       | 11400    | 3760       | 7530       | < 80 U   | 520        |
| Down-Gradient | M7B     | 55b  | N           | 04/23/09    | < 5200 U | < 100000 U | 12400    | 4060 J-TDS | 8120       | < 80 U   | 510 J-TDS  |
| Down-Gradient | M7B     | 55c  | FD          | 07/28/09    | 1100 J   | 2300 J     | 10800    | 3570 J-TDS | 7140 J-TDS | < 1000 U | 440 J-TDS  |
| Down-Gradient | M7B     | 55c  | N           | 07/28/09    | 1200 J   | 2300 J     | 10500    | 3640 J-TDS | 7290 J-TDS | < 200 U  | 560 J-TDS  |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-10**  
**GENERAL CHEMISTRY AND PERCHLORATE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 4)**

| 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          | --         |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | 650       | --                     | < 10 U    | < 6.1 U   | 320 J          | 7850        | 201 J+     |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | < 3000 U  | 2.4                    | < 86 U    | < 500 U   | < 1600 U       | < 34 UJ     | 1990       |
| Cross-Gradient | AA-BW-01A | 55a  | N           | 01/19/09    | < 3000 U  | 1                      | < 50 U    | < 300 U   | < 500 U        | < 500 U     | 1900       |
| 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 |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | --        | 0.78                   | < 50 U    | < 600 U   | < 500 U        | < 50 U      | 1890       |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | 610 J-    | --                     | < 4 U     | < 4 U     | 190 J          | 7470        | 101000     |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | 610 J-    | --                     | < 4 U     | < 4 U     | < 50 U         | 7620        | 101        |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | < 3000 UJ | 4.3                    | < 86 U    | R         | 157000 J       | < 68 UJ     | 1370       |
| Cross-Gradient | AA-BW-02A | 55a  | FD          | 01/30/09    | < 3000 U  | 1.9                    | < 5 U     | < 300 U   | < 500 U        | < 200 U     | 1270       |
| Cross-Gradient | AA-BW-02A | 55a  | N           | 01/19/09    | < 3000 U  | 1                      | < 5 U     | < 300 U   | < 500 U        | < 200 U     | 1260       |
| 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 |
| Cross-Gradient | AA-BW-02A | 55c  | N           | 07/20/09    | --        | 1.9                    | < 5 U     | < 1500 U  | 150 J          | < 5 U       | 1240       |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | 640 J-    | --                     | < 4 U     | < 4 U     | < 50 U         | 1920        | 115 J+     |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | < 600 UJ  | 2.2                    | < 86 U    | R         | < 1600 U       | < 34 U      | 1090       |
| Cross-Gradient | AA-BW-03A | 55a  | N           | 01/21/09    | < 300 U   | 4.4                    | < 5 U     | < 300 U   | < 50 U         | < 20 U      | 1080       |
| 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 |
| Cross-Gradient | AA-BW-03A | 55c  | N           | 07/23/09    | --        | 5.5                    | < 5 U     | < 60 U    | < 500 U        | < 5 U       | R-CAB&TDS  |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | 750       | --                     | < 10 U    | < 6.1 U   | 160 J          | 1400        | 395        |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | < 300 UJ  | 1.7                    | < 86 UJ   | < 500 UJ  | < 1600 UJ      | < 17 U      | 2470       |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | < 3000 U  | 3.4                    | < 50 U    | < 3000 U  | 390            | < 20 U      | 2210       |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | < 3000 U  | 4                      | < 50 U    | < 3000 U  | 410            | < 20 U      | 2250       |
| 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 |
| Down-Gradient  | AA-BW-04A | 55b  | N           | 04/20/09    | < 3000 U  | 4                      | < 50 U    | < 1500 U  | < 500 U        | < 10 U      | 2540 J-TDS |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | --        | 4                      | < 50 U    | < 600 U   | < 5000 U       | < 20 U      | 2230       |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | 2100      | --                     | < 10 U    | < 6.1 U   | 130 J          | 907         | 237        |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | 22100 J+  | 4.7                    | < 86 UJ   | < 5000 UJ | < 1600 UJ      | < 17 U      | 3420       |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | 15900     | 1.5                    | < 50 U    | < 6000 U  | 710 J          | < 500 U     | 4320       |
| Down-Gradient  | AA-BW-05A | 55b  | N           | 04/21/09    | 29200     | 1.5                    | < 50 U    | < 1500 U  | < 500 U        | < 10 U      | 4360 J-TDS |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | --        | 1.8                    | < 50 U    | < 600 U   | < 5000 U       | < 20 U      | 3830       |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | 9500      | --                     | < 10 U    | < 6.1 U   | 150 J          | 1180        | 91.3       |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | 40500 J+  | 1.2                    | < 86 UJ   | < 500 UJ  | < 1600 UJ      | < 68 UJ     | 837        |
| Down-Gradient  | AA-BW-06A | 55a  | N           | 01/27/09    | 44700     | 3.2                    | < 5 U     | < 300 U   | < 50 U         | < 10 U      | 1070       |
| Down-Gradient  | AA-BW-06A | 55b  | N           | 04/22/09    | 46800     | 2.6                    | < 5 U     | < 600 U   | 620            | < 5 U       | 1110 J-TDS |
| Down-Gradient  | AA-BW-06A | 55c  | N           | 07/30/09    | --        | 1.1                    | < 5 U     | < 60 U    | < 500 U        | < 1 U       | 1060       |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | 5600 J-   | --                     | 940       | < 40 U    | 140 J          | 86.2        | 1630       |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | 5500 J-   | --                     | 1300      | < 40 U    | 490 J          | 329         | 883        |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | 43000 J+  | 1.6                    | 570 J-    | < 500 UJ  | < 1600 UJ      | 69.1        | 900        |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | 40900 J+  | 0.26                   | 700 J-    | < 500 UJ  | < 1600 UJ      | 69.2        | 912        |
| Cross-Gradient | AA-BW-07A | 55a  | N           | 01/21/09    | 34000     | 0.2                    | 740       | < 300 U   | 210 J          | 66          | 1030       |
| Cross-Gradient | AA-BW-07A | 55b  | N           | 04/23/09    | 33500     | 0.73                   | 320 J-TDS | < 600 U   | < 50 U         | 44          | 1010 J-TDS |
| Cross-Gradient | AA-BW-07A | 55c  | N           | 07/22/09    | --        | 3.2                    | 350 J-TDS | < 60 U    | < 500 U        | 32.4        | 879 J-TDS  |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | < 33 U    | --                     | < 400 U   | < 400 U   | < 5000 UJ-     | 983         | 3770       |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | < 3000 UJ | 0.69                   | < 86 UJ   | R         | < 1600 UJ      | < 34 U      | 2100       |
| 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 |
| 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 |
| 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  |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | --        | 3.2                    | 120 J     | < 600 U   | < 500 U        | 19.4 J      | 2230       |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | < 330 U   | --                     | < 4 UJ-   | < 400 UJ- | < 50 UJ-       | 20300       | 451        |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | < 15000 U | 2.2                    | < 86 U    | R         | < 1600 UJ      | < 170 UJ    | 4540       |
| Up-Gradient    | AA-BW-09A | 55a  | N           | 01/20/09    | < 30000 U | 0.2                    | < 50 U    | < 6000 U  | < 500 U        | 313 J       | 4380       |
| Up-Gradient    | AA-BW-09A | 55b  | N           | 04/29/09    | < 3000 U  | 0.22                   | < 50 U    | < 600 U   | < 500 U        | 247         | 4740       |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | --        | 0.55                   | < 500 U   | < 3000 U  | < 50000 U      | 209         | 4770       |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | < 3000 U  | 1.5                    | < 50 U    | < 300 U   | < 500 UJ       | < 50 U      | 2220       |
| Up-Gradient    | AA-MW-07  | 55b  | N           | 04/24/09    | < 3000 U  | 1.3                    | < 50 U    | < 300 U   | < 500 U        | --          | 2740 J-TDS |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | --        | 1                      | < 50 U    | < 600 U   | < 5000 U       | --          | 2420 J-TDS |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 3000 U  | 0.4                    | < 50 U    | < 300 U   | < 50 UJ        | < 50 U      | 1590       |
| Up-Gradient    | EC-2      | 55b  | N           | 04/24/09    | < 3000 U  | 8.7                    | < 50 U    | < 300 U   | < 500 U        | --          | R-CAB&TDS  |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | --        | 2.2                    | < 50 U    | < 600 U   | < 5000 U       | < 10 U      | 1500 J-TDS |

**TABLE 3-10**  
**GENERAL CHEMISTRY AND PERCHLORATE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 4 of 4)**

| 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          | --         |
| Down-Gradient | H-21R   | 55a  | N           | 01/23/09    | 183000   | 3.8                    | < 50 U     | < 300 U  | 430 J          | < 50 U      | 1820       |
| Down-Gradient | H-21R   | 55b  | N           | 04/16/09    | 156000 J | 3.8                    | < 5 U      | < 6000 U | < 50 U         | < 20 U      | 1720 J-TDS |
| Down-Gradient | H-21R   | 55c  | N           | 07/16/09    | --       | 4.5                    | < 100 U    | < 60 U   | < 50 UJ        | < 5 U       | 1710       |
| Down-Gradient | H-28    | 55a  | N           | 01/26/09    | < 300 U  | 1.6                    | < 50 U     | < 300 U  | < 50 U         | < 10 U      | 1300       |
| Down-Gradient | H-28    | 55b  | N           | 04/22/09    | < 3000 U | 6.1                    | < 5 U      | < 600 U  | < 50 U         | < 10 U      | 1280 J-CAB |
| Down-Gradient | H-28    | 55c  | FD          | 07/22/09    | --       | 1.2                    | < 100 U    | < 60 U   | < 50 U         | < 5 U       | 1270 J-TDS |
| Down-Gradient | H-28    | 55c  | N           | 07/22/09    | --       | 0.98                   | < 100 U    | < 60 U   | < 50 U         | < 5 U       | 1270 J-TDS |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | 21200    | 2.4                    | 18         | < 300 U  | < 50 U         | < 10 U      | 965        |
| Down-Gradient | H-43    | 55b  | N           | 04/21/09    | 23200    | 1.8                    | < 5 U      | < 600 U  | < 50 U         | < 1 U       | 972 J-TDS  |
| Down-Gradient | H-43    | 55c  | N           | 07/30/09    | --       | 2.3                    | < 5 U      | < 60 U   | < 50 U         | < 5 U       | 983 J-TDS  |
| Down-Gradient | M7B     | 55a  | N           | 02/03/09    | < 3000 U | 1.6                    | 1600       | < 300 U  | 190            | 52000       | 1570       |
| 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 |
| Down-Gradient | M7B     | 55c  | FD          | 07/28/09    | --       | 0.12                   | 1400 J-TDS | < 1500 U | < 50 U         | 48400       | 1520 J-TDS |
| Down-Gradient | M7B     | 55c  | N           | 07/28/09    | --       | 1.5                    | 1300 J-TDS | < 1500 U | < 500 U        | 49400       | 1530 J-TDS |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-11**  
**GENERAL WATER QUALITY RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 1 of 2)

| 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            |           |      |             |             | --                     | --                   | --              | --                   | --               | --                     |
| Cross-Gradient | AA-BW-01A | 30   | N           | 04/21/05    | 237 J-                 | < 1.8 U              | 264             | < 1.2 U              | 237 J-           | 12900 J-               |
| Cross-Gradient | AA-BW-01A | 49   | N           | 10/24/07    | 193                    | < 0.85 U             | 5780            | < 0.85 U             | 193              | 19400 J-               |
| Cross-Gradient | AA-BW-01A | 55a  | N           | 01/19/09    | --                     | --                   | 6800            | --                   | --               | 14100 J-               |
| 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            |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | 250                    | < 0.31 U             | 6170            | < 0.31 U             | 250              | 19300                  |
| Cross-Gradient | AA-BW-02A | 30   | FD          | 04/14/05    | 196                    | < 1.8 U              | 764             | < 1.2 U              | 196              | 7760                   |
| Cross-Gradient | AA-BW-02A | 30   | N           | 04/14/05    | 194                    | < 1.8 U              | 772             | < 1.2 U              | 194              | 7700                   |
| Cross-Gradient | AA-BW-02A | 49   | N           | 10/29/07    | 158                    | < 0.85 U             | 3550            | < 0.85 U             | 158              | 11900 J-               |
| Cross-Gradient | AA-BW-02A | 55a  | FD          | 01/30/09    | --                     | --                   | 4680            | --                   | --               | 10400 J-               |
| Cross-Gradient | AA-BW-02A | 55a  | N           | 01/19/09    | --                     | --                   | 4550            | --                   | --               | 10100 J-               |
| 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             |
| Cross-Gradient | AA-BW-02A | 55c  | N           | 07/20/09    | 105                    | < 0.31 U             | 4460            | < 0.31 U             | 105              | 11000                  |
| Cross-Gradient | AA-BW-03A | 30   | N           | 04/13/05    | 159                    | < 1.8 U              | 500             | < 1.2 U              | 159              | 5410                   |
| Cross-Gradient | AA-BW-03A | 49   | N           | 10/26/07    | 168                    | < 0.85 U             | 2190            | < 0.85 U             | 168              | 7160 J-                |
| Cross-Gradient | AA-BW-03A | 55a  | N           | 01/21/09    | --                     | --                   | 2790            | --                   | --               | 6660                   |
| 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             |
| Cross-Gradient | AA-BW-03A | 55c  | N           | 07/23/09    | 119                    | < 0.31 U             | 2810            | < 0.31 U             | R-CAB&TDS        | R-CAB&TDS              |
| Down-Gradient  | AA-BW-04A | 30   | N           | 04/19/05    | 492                    | < 1.8 U              | 308             | < 1.2 U              | 492              | 29600                  |
| Down-Gradient  | AA-BW-04A | 49   | N           | 10/23/07    | 484                    | < 1.7 U              | 2120            | < 1.7 U              | 484              | 22900 J-               |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | --                     | --                   | 2670            | --                   | --               | 13400                  |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | --                     | --                   | 2610            | --                   | --               | 13200                  |
| 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            |
| 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            |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | 545                    | < 0.31 U             | 851             | < 0.31 U             | 545              | 19600                  |
| Down-Gradient  | AA-BW-05A | 30   | N           | 04/19/05    | 442                    | < 1.8 U              | 208             | < 1.2 U              | 442              | 14800                  |
| Down-Gradient  | AA-BW-05A | 49   | N           | 10/23/07    | 788                    | < 1.7 U              | 2050            | < 1.7 U              | 788              | 25100 J-               |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | --                     | --                   | 2790            | --                   | --               | 20100                  |
| 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            |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | 455                    | < 0.31 U             | 2360            | < 0.31 U             | 455              | 23300                  |
| Down-Gradient  | AA-BW-06A | 30   | N           | 04/19/05    | 382                    | < 1.8 U              | 840             | < 1.2 U              | 382              | 3990                   |
| Down-Gradient  | AA-BW-06A | 49   | N           | 10/23/07    | 233                    | < 0.85 U             | 1020            | < 0.85 U             | 233              | 4700 J-                |
| Down-Gradient  | AA-BW-06A | 55a  | N           | 01/27/09    | --                     | --                   | 1710            | --                   | --               | 3600                   |
| 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             |
| Down-Gradient  | AA-BW-06A | 55c  | N           | 07/30/09    | 210                    | < 0.31 U             | 1580            | < 0.31 U             | 210              | 5300                   |
| Cross-Gradient | AA-BW-07A | 30   | FD          | 04/12/05    | 210                    | < 1.8 U              | 836             | < 1.2 U              | 210              | 2780                   |
| Cross-Gradient | AA-BW-07A | 30   | N           | 04/12/05    | 371                    | < 1.8 U              | 844             | < 1.2 U              | 371              | 2820                   |
| Cross-Gradient | AA-BW-07A | 49   | FD          | 10/23/07    | 169                    | < 0.85 U             | 1100            | < 0.85 U             | 169              | 4500 J-                |
| Cross-Gradient | AA-BW-07A | 49   | N           | 10/23/07    | 189                    | < 0.85 U             | 960             | < 0.85 U             | 189              | 4400 J-                |
| Cross-Gradient | AA-BW-07A | 55a  | N           | 01/21/09    | --                     | --                   | 1470            | --                   | --               | 4030                   |
| 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             |
| Cross-Gradient | AA-BW-07A | 55c  | N           | 07/22/09    | 175                    | < 0.31 U             | 1210            | < 0.31 U             | 175 J-TDS        | 27700 J-TDS            |
| Up-Gradient    | AA-BW-08A | 30   | N           | 04/15/05    | 542                    | < 1.8 U              | 292             | < 1.2 U              | 542              | 38200                  |
| Up-Gradient    | AA-BW-08A | 49   | N           | 10/25/07    | 327                    | < 0.85 U             | 1880            | < 0.85 U             | 327              | 22800 J-               |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | --                     | --                   | 2310            | --                   | --               | 17800 J-               |
| 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            |
| 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              |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | 338                    | < 0.31 U             | 876             | < 0.31 U             | 338              | 21200                  |
| Up-Gradient    | AA-BW-09A | 30   | N           | 04/16/05    | 376                    | < 1.8 U              | 520             | < 1.2 U              | 376              | 43500 J-               |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | 386                    | < 0.85 U             | 9150            | < 0.85 U             | 386              | 60000 J-               |
| Up-Gradient    | AA-BW-09A | 55a  | N           | 01/20/09    | --                     | --                   | 13000           | --                   | --               | 54900 J-               |
| Up-Gradient    | AA-BW-09A | 55b  | N           | 04/29/09    | 520                    | < 0.31 U             | 12200           | < 0.31 U             | 520              | 57500                  |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | 445                    | < 0.31 U             | 11600           | < 0.31 U             | 445              | 61600                  |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | --                     | --                   | 5420            | --                   | --               | 18600                  |
| 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            |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | 151                    | < 0.31 U             | 4940            | < 0.31 U             | 151 J-TDS        | 23400 J-TDS            |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | --                     | --                   | 2400            | --                   | --               | 12800                  |
| 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              |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | 450                    | < 0.31 U             | 2540            | < 0.31 U             | 450 J-TDS        | 13700 J-TDS            |

**TABLE 3-11**  
**GENERAL WATER QUALITY RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
(Page 2 of 2)

| 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           |         |      |             |             | --                     | --                   | --              | --                   | --               | --                     |
| Down-Gradient | H-21R   | 55a  | N           | 01/23/09    | --                     | --                   | 1940            | --                   | --               | 8600                   |
| 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            |
| Down-Gradient | H-21R   | 55c  | N           | 07/16/09    | 860                    | < 0.31 U             | 2050            | < 0.31 U             | 860              | 13800                  |
| Down-Gradient | H-28    | 55a  | N           | 01/26/09    | --                     | --                   | 3810            | --                   | --               | 4900                   |
| 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             |
| Down-Gradient | H-28    | 55c  | FD          | 07/22/09    | 150                    | < 0.31 U             | 3700            | < 0.31 U             | 150 J-TDS        | 3300 J-TDS             |
| Down-Gradient | H-28    | 55c  | N           | 07/22/09    | 153                    | < 0.31 U             | 3760            | < 0.31 U             | 153 J-TDS        | 5600 J-TDS             |
| Down-Gradient | H-43    | 55a  | N           | 01/27/09    | --                     | --                   | 1330            | --                   | --               | 2800                   |
| 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             |
| Down-Gradient | H-43    | 55c  | N           | 07/30/09    | 277                    | < 0.31 U             | 1410            | < 0.31 U             | 277 J-TDS        | 5600 J-TDS             |
| Down-Gradient | M7B     | 55a  | N           | 02/03/09    | --                     | --                   | 3400            | --                   | --               | 6000                   |
| Down-Gradient | M7B     | 55b  | N           | 04/23/09    | 94 J-TDS               | < 0.31 U             | 3260            | < 0.31 U             | 94 J-TDS         | 7210 J-TDS             |
| Down-Gradient | M7B     | 55c  | FD          | 07/28/09    | 92                     | < 0.31 U             | 3190            | < 0.31 U             | 92 J-TDS         | 10000 J-TDS            |
| Down-Gradient | M7B     | 55c  | N           | 07/28/09    | 89                     | < 0.31 U             | 3110            | < 0.31 U             | 89 J-TDS         | 10100 J-TDS            |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-12**  
**RADIONUCLIDE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 2)**

| 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       | --          | --          | --          | --              | --              | --          |
| 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        |
| 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        |
| 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      |
| Cross-Gradient | AA-BW-01A | 55b  | N           | 04/27/09    | 1.68       | 4.41           | 2.73       | 313       | --          | --          | --          | --              | --              | --          |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | 1.49 J-    | 3.95           | 2.46       | 764       | --          | --          | --          | --              | --              | --          |
| 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          |
| 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        |
| 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        |
| 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      |
| 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      |
| Cross-Gradient | AA-BW-02A | 55b  | N           | 04/27/09    | 2.45       | 4.34           | 1.89       | 517       | --          | --          | --          | --              | --              | --          |
| Cross-Gradient | AA-BW-02A | 55c  | N           | 07/20/09    | 0.697 J-   | 3.01           | 2.31       | 533       | --          | --          | --          | --              | --              | --          |
| 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        |
| 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        |
| 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      |
| Cross-Gradient | AA-BW-03A | 55b  | N           | 04/28/09    | 1.72       | 3.99           | 2.27       | 306       | --          | --          | --          | --              | --              | --          |
| Cross-Gradient | AA-BW-03A | 55c  | N           | 07/23/09    | 1.01 J-    | 3.07           | 2.06       | 383       | --          | --          | --          | --              | --              | --          |
| 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        |
| 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        |
| 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      |
| 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      |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | 0.173 U    | 1.34           | 1.17 J     | 228       | --          | --          | --          | --              | --              | --          |
| Down-Gradient  | AA-BW-04A | 55b  | N           | 04/20/09    | 0.346 U    | 3.79           | 3.44 J     | 273       | --          | --          | --          | --              | --              | --          |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | 0.0796 U   | 1.68           | 1.6        | 645       | --          | --          | --          | --              | --              | --          |
| 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        |
| 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        |
| 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      |
| Down-Gradient  | AA-BW-05A | 55b  | N           | 04/21/09    | 0.979      | 2.52           | 1.54       | 16.5 U    | --          | --          | --          | --              | --              | --          |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | 0.914      | 2.01           | 1.09       | 120       | --          | --          | --          | --              | --              | --          |
| 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        |
| 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     |
| 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       |
| Down-Gradient  | AA-BW-06A | 55b  | N           | 04/22/09    | 0.227 U    | 1.23           | 1 U        | 726       | --          | --          | --          | --              | --              | --          |
| 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     |
| 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         |
| 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        |
| 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        |
| 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        |
| 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      |
| Cross-Gradient | AA-BW-07A | 55b  | N           | 04/23/09    | 0.915      | 1.47           | 0.554 U    | 926       | --          | --          | --          | --              | --              | --          |
| Cross-Gradient | AA-BW-07A | 55c  | N           | 07/22/09    | 0.886      | 3.47           | 2.58       | 900       | --          | --          | --          | --              | --              | --          |
| 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           |
| 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        |
| 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      |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | 0.818 J    | 1.52           | 0.703 U    | 486       | --          | --          | --          | --              | --              | --          |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | 3.41 J     | 4.02           | 0.612 U    | 513       | --          | --          | --          | --              | --              | --          |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | 0.513 U    | 1.97           | 1.46       | 522       | --          | --          | --          | --              | --              | --          |
| 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        |
| Up-Gradient    | AA-BW-09A | 49   | N           | 10/29/07    | --         | --             | --         | --        | 0.117 U     | 0.114 U     | 0 U         | 123             | 3.05            | 84.3        |
| 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       |
| Up-Gradient    | AA-BW-09A | 55b  | N           | 04/29/09    | 1.54       | 11.9           | 10.4 J+    | 164       | --          | --          | --          | --              | --              | --          |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | 1.63 J-    | 12.53          | 10.9       | 115       | --          | --          | --          | --              | --              | --          |
| 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      |
| 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      |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | 0.811      | 1.99           | 1.18       | 935       | --          | --          | --          | --              | --              | --          |
| 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      |
| Down-Gradient  | H-21R     | 55b  | N           | 04/16/09    | 1 U        | 1.97           | 0.97       | 708       | --          | --          | --          | --              | --              | --          |

**TABLE 3-12**  
**RADIONUCLIDE RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 2)**

| 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       | --          | --          | --          | --              | --              | --          |
| 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        |
| 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      |
| Down-Gradient | H-28    | 55b  | N           | 04/22/09    | 0.779      | 1.78           | 1 U        | 710       | --          | --          | --          | --              | --              | --          |
| Down-Gradient | H-28    | 55c  | FD          | 07/22/09    | 0.539      | 0.45           | 0.392 U    | 647       | --          | --          | --          | --              | --              | --          |
| Down-Gradient | H-28    | 55c  | N           | 07/22/09    | -0.0889 U  | 1.16 U         | 0.763 U    | 619       | --          | --          | --          | --              | --              | --          |
| 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       |
| Down-Gradient | H-43    | 55b  | N           | 04/21/09    | 0.169 U    | 0.54           | 0.37 U     | 434       | --          | --          | --          | --              | --              | --          |
| 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      |
| 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        |
| Down-Gradient | M7B     | 55b  | N           | 04/23/09    | 1.39       | 2.68           | 1.29       | 273       | --          | --          | --          | --              | --              | --          |
| Down-Gradient | M7B     | 55c  | FD          | 07/28/09    | 1.32       | 2.15           | 2.25       | 177       | --          | --          | --          | --              | --              | --          |
| Down-Gradient | M7B     | 55c  | N           | 07/28/09    | 0.825      | 4.75           | 2.5        | 201       | --          | --          | --          | --              | --              | --          |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.

**TABLE 3-13**  
**METHYL MERCURY AND WHITE PHOSPHORUS RESULTS**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 1)**

| Location       | Well ID   | DVSR | Sample Type | Sample Date | Methyl mercury | White phosphorus |
|----------------|-----------|------|-------------|-------------|----------------|------------------|
| Units          |           |      |             |             | ng/L           | ug/L             |
| MCL            |           |      |             |             | --             | --               |
| BCL            |           |      |             |             | 3.7            | 0.73             |
| Cross-Gradient | AA-BW-01A | 55a  | N           | 01/19/09    | 0.028 J        | < 0.023 U        |
| Cross-Gradient | AA-BW-01A | 55b  | N           | 04/27/09    | 0.046 J        | < 0.05 U         |
| Cross-Gradient | AA-BW-01A | 55c  | N           | 07/20/09    | 0.088          | < 0.05 UJ        |
| Cross-Gradient | AA-BW-02A | 55a  | FD          | 01/30/09    | < 0.02 U       | < 0.023 U        |
| Cross-Gradient | AA-BW-02A | 55a  | N           | 01/19/09    | < 0.02 U       | < 0.023 U        |
| Cross-Gradient | AA-BW-02A | 55b  | N           | 04/27/09    | < 0.021 U      | < 0.05 U         |
| Cross-Gradient | AA-BW-02A | 55c  | N           | 07/20/09    | < 0.02 U       | < 0.05 UJ        |
| Cross-Gradient | AA-BW-03A | 55a  | N           | 01/21/09    | < 0.02 U       | < 0.023 U        |
| Cross-Gradient | AA-BW-03A | 55b  | N           | 04/28/09    | < 0.02 U       | < 0.05 U         |
| Cross-Gradient | AA-BW-03A | 55c  | N           | 07/23/09    | 0.021 J        | < 0.05 U         |
| Down-Gradient  | AA-BW-04A | 55a  | FD          | 01/26/09    | 0.978          | < 0.023 U        |
| Down-Gradient  | AA-BW-04A | 55a  | N           | 01/26/09    | 0.693          | < 0.023 U        |
| Down-Gradient  | AA-BW-04A | 55b  | FD          | 04/20/09    | 1.24           | < 0.05 U         |
| Down-Gradient  | AA-BW-04A | 55b  | N           | 04/20/09    | 1.41           | < 0.05 U         |
| Down-Gradient  | AA-BW-04A | 55c  | N           | 07/21/09    | 1.06           | < 0.05 UJ        |
| Down-Gradient  | AA-BW-05A | 55a  | N           | 01/23/09    | < 0.02 U       | < 0.023 U        |
| Down-Gradient  | AA-BW-05A | 55b  | N           | 04/21/09    | 0.036 J        | < 0.05 U         |
| Down-Gradient  | AA-BW-05A | 55c  | N           | 07/21/09    | 0.05           | < 0.05 UJ        |
| Down-Gradient  | AA-BW-06A | 55a  | N           | 01/27/09    | < 0.02 U       | < 0.023 U        |
| Down-Gradient  | AA-BW-06A | 55b  | N           | 04/22/09    | < 0.02 U       | < 0.05 U         |
| Down-Gradient  | AA-BW-06A | 55c  | N           | 07/30/09    | 0.031 J        | < 0.05 U         |
| Cross-Gradient | AA-BW-07A | 55c  | N           | 07/22/09    | --             | < 0.05 U         |
| Up-Gradient    | AA-BW-08A | 55a  | N           | 01/20/09    | 0.192          | < 0.023 U        |
| Up-Gradient    | AA-BW-08A | 55b  | FD          | 04/28/09    | 0.237          | < 0.05 U         |
| Up-Gradient    | AA-BW-08A | 55b  | N           | 04/28/09    | 0.328          | < 0.05 U         |
| Up-Gradient    | AA-BW-08A | 55c  | N           | 07/29/09    | 0.42           | < 0.05 U         |
| Up-Gradient    | AA-BW-09A | 55a  | N           | 01/20/09    | < 0.02 U       | < 0.023 U        |
| Up-Gradient    | AA-BW-09A | 55b  | N           | 04/29/09    | < 0.02 U       | < 0.05 U         |
| Up-Gradient    | AA-BW-09A | 55c  | N           | 07/24/09    | 0.031 J        | < 0.05 U         |
| Up-Gradient    | AA-MW-07  | 55a  | N           | 01/22/09    | 0.204          | < 0.023 U        |
| Up-Gradient    | AA-MW-07  | 55b  | N           | 04/24/09    | 0.035 J        | < 0.05 U         |
| Up-Gradient    | AA-MW-07  | 55c  | N           | 07/27/09    | 0.082          | --               |
| Up-Gradient    | EC-2      | 55a  | N           | 01/22/09    | < 0.02 U       | < 0.023 U        |
| Up-Gradient    | EC-2      | 55b  | N           | 04/24/09    | < 0.02 U       | < 0.05 U         |
| Up-Gradient    | EC-2      | 55c  | N           | 07/27/09    | 0.029 J        | < 0.05 U         |
| Down-Gradient  | H-21R     | 55a  | N           | 01/23/09    | 0.052          | < 0.023 U        |
| Down-Gradient  | H-21R     | 55b  | N           | 04/16/09    | 0.165          | < 0.05 U         |
| Down-Gradient  | H-21R     | 55c  | N           | 07/16/09    | 0.171          | < 0.05 U         |
| Down-Gradient  | H-28      | 55a  | N           | 01/26/09    | < 0.02 U       | < 0.023 U        |
| Down-Gradient  | H-28      | 55b  | N           | 04/22/09    | < 0.02 U       | < 0.05 U         |
| Down-Gradient  | H-28      | 55c  | FD          | 07/22/09    | < 0.021 U      | < 0.05 U         |
| Down-Gradient  | H-28      | 55c  | N           | 07/22/09    | < 0.02 U       | < 0.05 U         |
| Down-Gradient  | H-43      | 55a  | N           | 01/27/09    | < 0.02 U       | < 0.023 U        |
| Down-Gradient  | H-43      | 55b  | N           | 04/21/09    | < 0.02 U       | < 0.05 U         |
| Down-Gradient  | H-43      | 55c  | N           | 07/30/09    | < 0.049 U      | < 0.05 U         |
| Down-Gradient  | M7B       | 55a  | N           | 02/03/09    | < 0.02 U       | < 0.023 U        |
| Down-Gradient  | M7B       | 55b  | N           | 04/23/09    | < 0.02 U       | < 0.05 U         |
| Down-Gradient  | M7B       | 55c  | FD          | 07/28/09    | < 0.021 U      | < 0.05 UJ        |
| Down-Gradient  | M7B       | 55c  | N           | 07/28/09    | < 0.02 U       | < 0.05 UJ        |

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 Table 3-2 which includes only 3rd Quarter 2009 data.

-- = no sample data.



**TABLE 3-14**  
**CATION-ANION BALANCES**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 1 of 3)**

**Summary of Cation-Anion Balance and Related Calculations**

| Well      | Zone    | pH   | Major Ion Chemistry Data Input |              |              |              |                  |                 |              |              |                 |                  | TDS and EC Input |                 |
|-----------|---------|------|--------------------------------|--------------|--------------|--------------|------------------|-----------------|--------------|--------------|-----------------|------------------|------------------|-----------------|
|           |         |      | Ca                             | Mg           | Na           | K            | HCO <sub>3</sub> | SO <sub>4</sub> | Cl           | F            | NO <sub>3</sub> | ClO <sub>4</sub> | TDS Measured     | EC Measured (2) |
|           |         |      | 2+<br>(mg/l)                   | 2+<br>(mg/l) | 1+<br>(mg/l) | 1+<br>(mg/l) | 1-<br>(mg/l)     | 2-<br>(mg/l)    | 1-<br>(mg/l) | 1-<br>(mg/l) | 1-<br>(mg/l)    | 1-<br>(mg/l)     | (mg/L)           | (umhos/cm)      |
| AA-BW-01A | Shallow | 6.53 | 993                            | 896          | 2970         | 33.4         | 250              | 1890            | 7600         | 1.8          | ND              | ND               | 19300            | 2170            |
| AA-BW-02A | Shallow | 6.64 | 752                            | 628          | 1970         | 23.5         | 105              | 1240            | 5030         | 0.99         | ND              | ND               | 11000            | 1530            |
| AA-BW-03A | Shallow | 6.87 | 448                            | 411          | 1150         | 14.9         | 119              | 1400            | 3140         | 0.74         | ND              | ND               | 8200             | 950             |
| AA-BW-04A | Shallow | 7.03 | 341                            | 378          | 5420         | 49.9         | 545              | 2230            | 9000         | 0.69         | ND              | ND               | 19600            | 2770            |
| AA-BW-05A | Shallow | 6.93 | 325                            | 376          | 7600         | 82.0         | 455              | 3830            | 10900        | 0.78         | ND              | ND               | 23300            | 3240            |
| AA-BW-06A | Shallow | 7.14 | 314                            | 193          | 1230         | 32.1         | 210              | 1060            | 2080         | 2.6          | ND              | ND               | 5300             | 658             |
| AA-BW-07A | Shallow | 6.92 | 280                            | 125          | 842          | 23.9         | 175              | 879             | 1310         | 2.1          | 0.35            | 0.032            | 27700            | 557             |
| AA-BW-08A | Shallow | 6.93 | 351                            | 414          | 6940         | 36.8         | 338              | 2230            | 9960         | 0.35         | 0.12            | 0.019            | 21200            | 2500            |
| AA-BW-09A | Shallow | 6.41 | 1410                           | 1960         | 15400        | 87.4         | 445              | 4770            | 28700        | 1.5          | ND              | 0.209            | 61600            | 6410            |
| AA-MW-07  | Shallow | 6.75 | 736                            | 754          | 4960         | 35.5         | 151              | 2420            | 9580         | 1.5          | ND              | -                | 23400            | 2410            |
| EC-2      | Shallow | 6.74 | 422                            | 361          | 4410         | 33.4         | 450              | 1500            | 6910         | 1.5          | ND              | ND               | 13700            | 1910            |
| H-21R     | Shallow | 6.80 | 278                            | 330          | 4040         | 45.0         | 860              | 1710            | 5320         | 1.3          | ND              | ND               | 13800            | 1730            |
| H-28      | Shallow | 6.63 | 582                            | 560          | 1390         | 21.1         | 153              | 1270            | 3920         | 1.2          | ND              | ND               | 5600             | 1170            |
| H-28 FD   | Shallow | 6.63 | 584                            | 544          | 1410         | 20.4         | 150              | 1270            | 3930         | 1.1          | ND              | ND               | 3300             | 1170            |
| H-43      | Shallow | 7.29 | 246                            | 193          | 1110         | 23.8         | 277              | 983             | 1740         | 2.1          | ND              | ND               | 5600             | 582             |
| M7B FD    | Shallow | 6.99 | 603                            | 409          | 1580         | 25.4         | 92               | 1520            | 3570         | 0.44         | 1.4             | 48.4             | 10000            | 1120            |
| M7B       | Shallow | 6.99 | 589                            | 398          | 1560         | 25.4         | 89               | 1530            | 3640         | 0.56         | 1.3             | 49.4             | 10100            | 1120            |

**Summary of Charge Balance Error Check**

| Well      | Zone    | pH   | Major Ion Chemistry Data Input |              |              |              |                  |                 |              |              |                 |                  | TDS and Temperature  |              | Density            |
|-----------|---------|------|--------------------------------|--------------|--------------|--------------|------------------|-----------------|--------------|--------------|-----------------|------------------|----------------------|--------------|--------------------|
|           |         |      | Ca                             | Mg           | Na           | K            | HCO <sub>3</sub> | SO <sub>4</sub> | Cl           | F            | NO <sub>3</sub> | ClO <sub>4</sub> | Temperature Measured | TDS Measured | Calculated Density |
|           |         |      | 2+<br>(mg/l)                   | 2+<br>(mg/l) | 1+<br>(mg/l) | 1+<br>(mg/l) | 1-<br>(mg/l)     | 2-<br>(mg/l)    | 1-<br>(mg/l) | 1-<br>(mg/l) | 1-<br>(mg/l)    | 1-<br>(mg/l)     | °C                   | (mg/L)       | (kg/L)             |
| AA-BW-09A | Shallow | 6.41 | 1410                           | 1960         | 15400        | 87.4         | 445              | 4770            | 28700        | 1.5          | ND              | 0.209            | 24.08                | 61600        | 1.044              |

Notes:

ND - not detected

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](http://www.earthwardconsulting.com/density_calculator.htm).

**TABLE 3-14**  
**CATION-ANION BALANCES**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 2 of 3)**

**Summary of Cation-Anion Balance and Related Calculations**

| Well      | meq/l Calculations |          |          |          |                  |                 |          |          |                 |                  |
|-----------|--------------------|----------|----------|----------|------------------|-----------------|----------|----------|-----------------|------------------|
|           | Ca                 | Mg       | Na       | K        | HCO <sub>3</sub> | SO <sub>4</sub> | Cl       | F        | NO <sub>3</sub> | ClO <sub>4</sub> |
|           | 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)         |
|           | (meq/l)            | (meq/l)  | (meq/l)  | (meq/l)  | (meq/l)          | (meq/l)         | (meq/l)  | (meq/l)  | (meq/l)         | (meq/l)          |
| AA-BW-01A | 49.6               | 73.7     | 129      | 0.854    | 4.10             | 39.3            | 214      | 0.0947   | NA              | NA               |
| AA-BW-02A | 37.5               | 51.7     | 85.8     | 0.601    | 1.72             | 25.8            | 142      | 0.0521   | NA              | NA               |
| AA-BW-03A | 22.4               | 33.8     | 50.1     | 0.381    | 1.95             | 29.1            | 88.6     | 0.0390   | NA              | NA               |
| AA-BW-04A | 17.0               | 31.1     | 236      | 1.28     | 8.93             | 46.4            | 254      | 0.0363   | NA              | NA               |
| AA-BW-05A | 16.2               | 30.9     | 331      | 2.10     | 7.46             | 79.7            | 307      | 0.0411   | NA              | NA               |
| AA-BW-06A | 15.7               | 15.9     | 53.6     | 0.821    | 3.44             | 22.1            | 58.7     | 0.137    | NA              | NA               |
| AA-BW-07A | 14.0               | 10.3     | 36.7     | 0.611    | 2.87             | 18.3            | 37.0     | 0.111    | 0.00564         | 0.000326         |
| AA-BW-08A | 17.5               | 34.1     | 302      | 0.941    | 5.54             | 46.4            | 281      | 0.0184   | 0.00194         | 0.000195         |
| AA-BW-09A | 70.4               | 161      | 670      | 2.24     | 7.29             | 99.3            | 810      | 0.0790   | NA              | 0.00210          |
| AA-MW-07  | 36.7               | 62.0     | 216      | 0.908    | 2.47             | 50.4            | 270      | 0.0790   | NA              | -                |
| EC-2      | 21.1               | 29.7     | 192      | 0.854    | 7.38             | 31.2            | 195      | 0.0790   | NA              | 0                |
| H-21R     | 13.9               | 27.2     | 176      | 1.15     | 14.1             | 35.6            | 150      | 0.0684   | NA              | 0                |
| H-28      | 29.0               | 46.1     | 60.5     | 0.540    | 2.51             | 26.4            | 111      | 0.0632   | NA              | 0                |
| H-28 FD   | 29.1               | 44.8     | 61.4     | 0.522    | 2.46             | 26.4            | 111      | 0.0579   | NA              | 0                |
| H-43      | 12.3               | 15.9     | 48.3     | 0.609    | 4.54             | 20.5            | 49.1     | 0.111    | NA              | 0                |
| M7B FD    | 30.1               | 33.7     | 68.8     | 0.650    | 1.51             | 31.6            | 101      | 0.0232   | 0.0226          | 0.487            |
| M7B       | 29.4               | 32.7     | 67.9     | 0.650    | 1.46             | 31.9            | 103      | 0.0295   | 0.0210          | 0.497            |

**Summary of Charge Balance Error Check**

| Well      | molality (mol/kg) Calculations |          |          |          |                  |                 |          |          |                 |                  |
|-----------|--------------------------------|----------|----------|----------|------------------|-----------------|----------|----------|-----------------|------------------|
|           | Ca                             | Mg       | Na       | K        | HCO <sub>3</sub> | SO <sub>4</sub> | Cl       | F        | NO <sub>3</sub> | ClO <sub>4</sub> |
|           | 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)          |
|           | (mol/kg)                       | (mol/kg) | (mol/kg) | (mol/kg) | (mol/kg)         | (mol/kg)        | (mol/kg) | (mol/kg) | (mol/kg)        | (mol/kg)         |
| AA-BW-09A | 0.0337                         | 0.0772   | 0.642    | 0.00214  | 0.00699          | 0.0476          | 0.775    | 7.56 E-5 | 0               | 2.01 E-6         |

Notes:

ND - not detected

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](http://www.earthwardconsulting.com/density_calculator.htm).

**TABLE 3-14**  
**CATION-ANION BALANCES**  
**3RD QUARTER 2009 GROUNDWATER MONITORING EVENT**  
**CAMU AREA, CLARK COUNTY, NEVADA**  
**(Page 3 of 3)**

**Summary of Cation-Anion Balance and Related Calculations**

| Well           | Cation-Anion Balance Tests |                       |                              |                                | TDS Checks        |                       |                                  | Lab TDS and EC             |                                    | Qualifier |
|----------------|----------------------------|-----------------------|------------------------------|--------------------------------|-------------------|-----------------------|----------------------------------|----------------------------|------------------------------------|-----------|
|                | Sum Cations<br>(meq/l)     | Sum Anions<br>(meq/l) | (Cat-An)/<br>(Cat+An)<br>(%) | Acceptable<br>Variance<br><5%? | TDS Sum<br>(mg/l) | Lab/Sum<br>Ratio<br>- | Acceptable<br>Ratio<br>1.0 - 1.2 | Lab TDS / EC<br>Ratio<br>- | Acceptable<br>Range<br>0.55 - 0.70 |           |
| AA-BW-01A      | 253                        | 257                   | 0.850                        | PASS                           | 14500             | 1.33                  | FAIL                             | 8.89                       | FAIL                               | J-TDS     |
| AA-BW-02A      | 176                        | 170                   | 1.75                         | PASS                           | 9710              | 1.13                  | PASS                             | 7.19                       | FAIL                               | J-TDS     |
| AA-BW-03A      | 107                        | 120                   | 5.75                         | FAIL                           | 6640              | 1.23                  | FAIL                             | 8.63                       | FAIL                               | R-CAB&TDS |
| AA-BW-04A      | 285                        | 309                   | 4.03                         | PASS                           | 17700             | 1.11                  | PASS                             | 7.08                       | FAIL                               | J-TDS     |
| AA-BW-05A      | 380                        | 394                   | 1.81                         | PASS                           | 23400             | 0.996                 | FAIL                             | 7.19                       | FAIL                               | J-TDS     |
| AA-BW-06A      | 86.0                       | 84.4                  | 0.965                        | PASS                           | 5040              | 1.05                  | PASS                             | 8.05                       | FAIL                               | J-TDS     |
| AA-BW-07A      | 61.6                       | 58.3                  | 2.77                         | PASS                           | 3570              | 7.76                  | FAIL                             | 49.7                       | FAIL                               | J-TDS     |
| AA-BW-08A      | 355                        | 333                   | 3.14                         | PASS                           | 20100             | 1.05                  | PASS                             | 8.48                       | FAIL                               | J-TDS     |
| AA-BW-09A      | 904                        | 917                   | --                           | PASS (1)                       | 52600             | 1.17                  | PASS                             | 9.61                       | FAIL                               | J-TDS     |
| AA-MW-07       | 316                        | 323                   | 1.15                         | PASS                           | 18600             | 1.26                  | FAIL                             | 9.71                       | FAIL                               | J-TDS     |
| EC-2           | 244                        | 234                   | 2.09                         | PASS                           | 13900             | 0.986                 | FAIL                             | 7.17                       | FAIL                               | J-TDS     |
| H-21R          | 218                        | 200                   | 4.42                         | PASS                           | 12200             | 1.13                  | PASS                             | 7.98                       | FAIL                               | J-TDS     |
| H-28           | 136                        | 140                   | 1.39                         | PASS                           | 7840              | 0.714                 | FAIL                             | 4.79                       | FAIL                               | J-TDS     |
| H-28 FD        | 136                        | 140                   | 1.49                         | PASS                           | 7850              | 0.420                 | FAIL                             | 2.82                       | FAIL                               | J-TDS     |
| H-43           | 77.1                       | 74.3                  | 1.89                         | PASS                           | 4460              | 1.26                  | FAIL                             | 9.62                       | FAIL                               | J-TDS     |
| M7B FD         | 133                        | 135                   | 0.520                        | PASS                           | 7810              | 1.28                  | FAIL                             | 8.93                       | FAIL                               | J-TDS     |
| M7B            | 131                        | 137                   | 2.34                         | PASS                           | 7850              | 1.29                  | FAIL                             | 9.02                       | FAIL                               | J-TDS     |
| Total Samples: |                            |                       |                              | 15                             |                   |                       | 15                               |                            | 15                                 |           |
| Passing:       |                            |                       |                              | 14                             |                   |                       | 6                                |                            | 0                                  |           |
| Failing:       |                            |                       |                              | 1                              |                   |                       | 9                                |                            | 15                                 |           |

**Summary of Charge Balance Error Check**

| Well      | Cation-Anion Balance Tests                        |   |                                   |                                |
|-----------|---|---|-----------------------------------|--------------------------------|
|           | Sum Cation<br>(molality x<br>valence)<br>(meq/kg) | Sum Anions<br>(molality x<br>valence)<br>(meq/kg) | Charge<br>Balance<br>Error<br>(%) | Acceptable<br>Variance<br><5%? |
| AA-BW-09A | 0.87  | 0.88  | 0.68                              | PASS                           |

Notes:

ND - not detected

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](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 October 2, 2009, to CAMU Groundwater Monitoring Report 1st and 2nd Quarters 2009 dated September 2009 (received September 28, 2009)**

1. 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event.

2. 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 3<sup>rd</sup> Quarterly report should include revised contour maps and the existing groundwater level maps from the 1<sup>st</sup> and 2<sup>nd</sup> quarters. In addition, the NDEP has not been notified of any issues with obtaining the necessary data for the 4<sup>th</sup> 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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event, they did not collect groundwater samples from these wells during the 3<sup>rd</sup> Quarter 2009. Subsequent water quality data from these wells will be incorporated in future groundwater monitoring reports.

Because the CAMU 3<sup>rd</sup> Quarter 2009 groundwater monitoring event report is specific to data collected during the 3<sup>rd</sup> 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.

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

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

4. 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 3<sup>rd</sup> Quarter 2009 groundwater monitoring event.

5. It is requested that BRC address these comments in the development of the 3<sup>rd</sup> quarter report, no other response is required.

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

## APPENDIX B

### ELECTRONIC DATABASE AND ELECTRONIC COPY OF THE REPORT

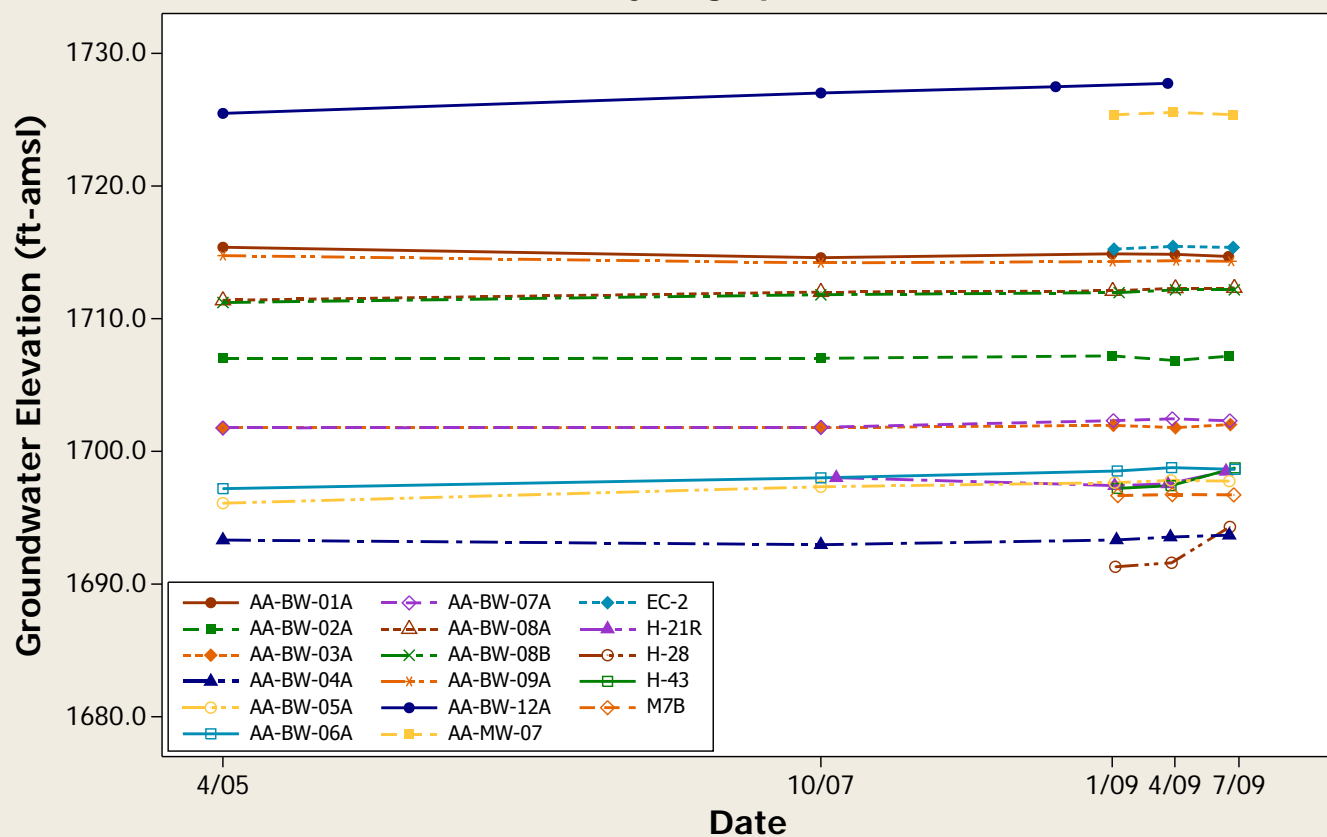


## APPENDIX C

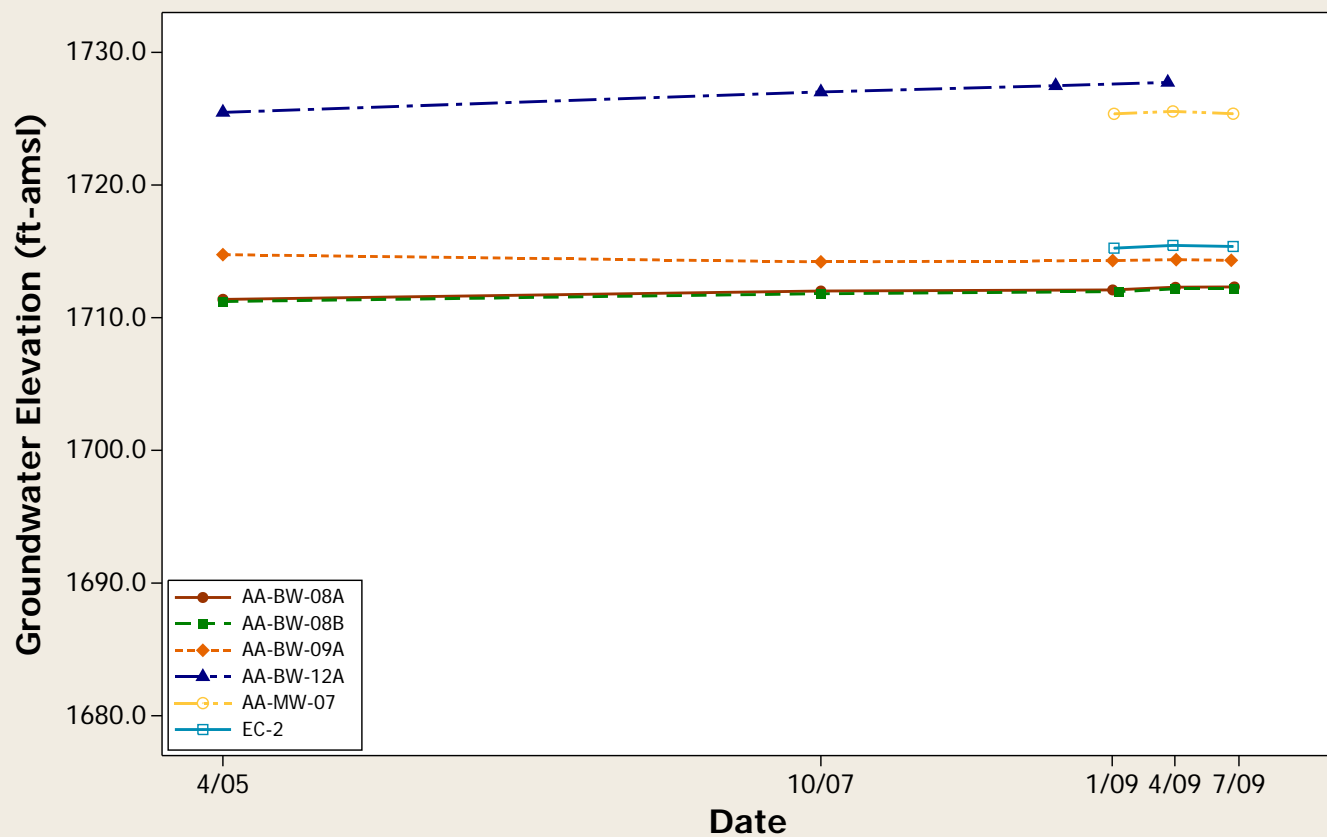
### WELL HYDROGRAPHS AND SAMPLING FORMS

## WELL HYDROGRAPHS

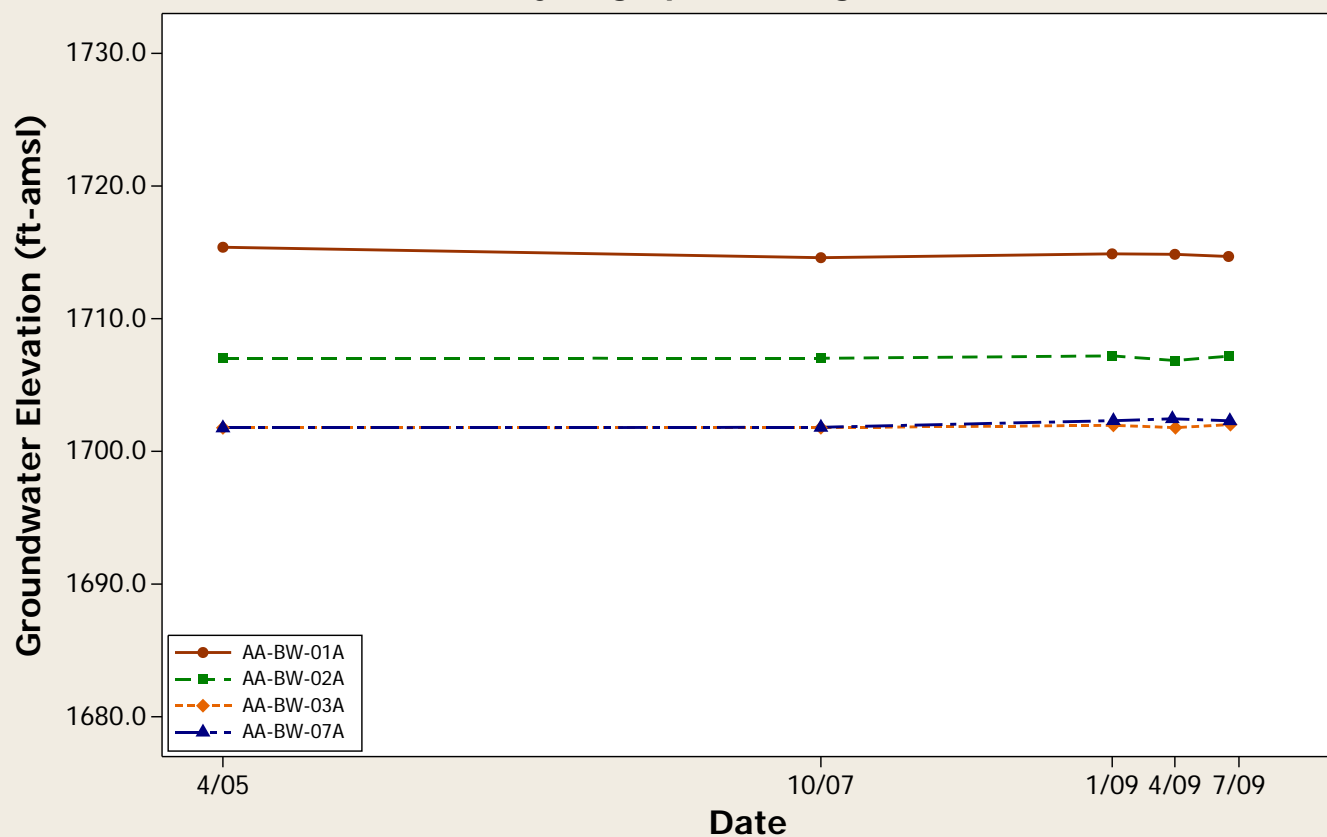
### Water Level Hydrograph - All Wells



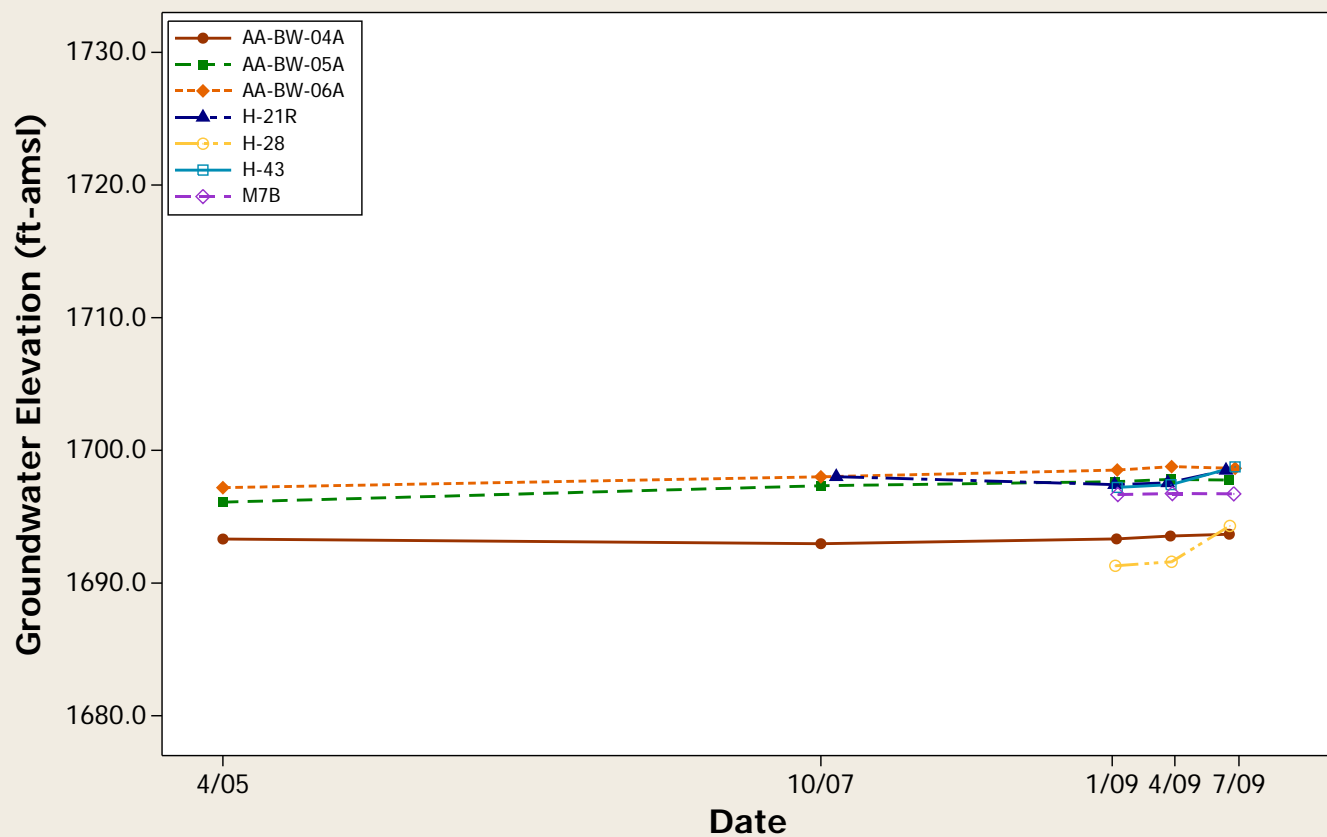
### Water Level Hydrograph - Upgradient Wells



### Water Level Hydrograph - Crossgradient Wells



### Water Level Hydrograph - Downgradient Wells



## 3<sup>RD</sup> QUARTER 2009 SAMPLING FORMS

## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID: AA-BW-1A  
 Date: 7/20/09  
 Sample ID: AA-BW-1A  
 Time: 0830  
 Dup ID: N/A  
 Rinsate ID: N/A  
 MS/MSD ID: N/A  
 Analysis: Various

Screened Interval (ft): 33'-53' BToc  
 Pump Intake Depth (ft): ~51' BToc  
 Purging/ Sample Device: Dedicated  
 PID Reading at TOC: N/A  
 Water Level Instrument: Solinst  
 WLI Serial #: 51166  
 Water Quality Meter: Horiba U-22  
 Water Quality Meter Serial #: 927235  
 WQM Calibrated Date & Time: 7/20/09 0720

Well Diameter (in): 4"  
 Static Water Level (ft): 39.88' BToc  
 Total Well depth (ft): 55.65' BToc  
 Water Column Length: 15.77'  
 Minimum Purge Volume:  
 Samplers Name: Andrew Kirk Keith Hark  
 Optimal Pump Setting: PSI 30 CPM 2 ID: 50  
 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                 |
| 0730 | Pump               | Start     |                         |                              |       |            |           |          |                 |          | 40 PSI I.D. 82      |
| 0733 | 350ml              | 350       | 40.04                   | 2.17                         | 6.07  | 26.3       | 3.24      | -111     | 17.0            | 1.3      | 13                  |
| 0738 | 2.1                | 350       | 40.12                   | 2.16                         | 6.42  | 25.5       | 0.25      | -161     | 8.5             | 1.3      | 13                  |
| 0743 | 3.0                | 150       | 40.05                   | 2.17                         | 6.51  | 25.9       | 0.19      | -168     | 3.8             | 1.3      | 30 PSI I.D. 50      |
| 0748 | 3.7                | 150       | 40.02                   | 2.17                         | 6.53  | 25.9       | 0.00      | -171     | 2.2             | 1.3      | 13                  |
| 0752 | 4.4                | 200       | 40.04                   | 2.17                         | 6.52  | 25.7       | 0.00      | -174     | 2.1             | 1.3      | 35 PSI I.D. 50      |
| 0756 | 5.4                | 200       | 40.04                   | 2.17                         | 6.53  | 25.7       | 0.00      | -176     | 2.0             | 1.3      | 13                  |
| 0800 | 6.3                | 200       | 40.05                   | 2.17                         | 6.53  | 25.7       | 0.00      | -178     | 2.0             | 1.3      | 13                  |
| 0805 | 7.4                | 200       | 40.05                   | 2.17                         | 6.53  | 25.7       | 0.00      | -180     | 1.9             | 1.3      | 13                  |
| 0830 | Commenced Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
| 1015 | Sample End         |           | 40.04                   |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |

Comments:

Maximum permissible drawdown = 2.78 ft BToc, water level not to draw down below 42.66 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.



## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRL-CAMU

Well ID: \* AA-BW-06A Screened Interval (ft) 23'-43' bgs Well Diameter (in): 4"  
 Date: 8/5/09 Pump Intake Depth (ft) ~ 43' bgs Static Water Level (ft): 32.76' BTOC  
 Sample ID: AA-BW-06A-3Q-CAMU Purging/ Sample Device: Dedicated Total Well depth (ft): 45.41' BTOC  
 Time: 1130 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 12.65'  
 Dup ID: NIA Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: NIA WLI Serial #: 51166 Samplers Name: Andrew Kirk Neisene Alford  
 MS/MSD ID: NIA Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 60 CPM 3 ID: 82  
 Analysis: various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 8/5/09 0810

| Time | Volume Purged | Flow Rate | Water Level (feet - BTOC) | Specific Conductance (ms/cm) | pH    | Temp. | DO (mg/L) | ORP (mV) | Turbidity (NTU) | Salinity | TDS |
|------|---------------|-----------|---------------------------|------------------------------|-------|-------|-----------|----------|-----------------|----------|-----|
|      | Liters        | ml/min    | ± 0.1 ft                  | 3%                           | ± 0.1 | ± 0.2 | ± 10%     | ± 10%    | ± 10%           | %        | g/L |
| 1103 | Pump          | Start     |                           |                              |       |       |           |          |                 |          |     |
| 1104 | 500 ml        | 500       | 32.80                     | 0.653                        | 6.27  | 28.4  | 3.73      | -49      | 24.0            | 0.4      | 4.2 |
| 1107 | 2.0           | 500       | 32.80                     | 0.681                        | 6.78  | 26.5  | 0.27      | -137     | 27.5            | 0.4      | 4.3 |
| 1110 | 3.5           | 500       | 32.80                     | 0.674                        | 7.11  | 26.2  | 0.00      | -161     | 8.0             | 0.4      | 4.2 |
| 1113 | 5.0           | 500       | 32.80                     | 0.664                        | 7.29  | 26.1  | 0.00      | -177     | 2.8             | 0.4      | 4.2 |
| 1116 | 6.5           | 500       | 32.80                     | 0.657                        | 7.32  | 26.2  | 0.00      | -181     | 0.1             | 0.4      | 4.2 |
| 1119 | 8.0           | 500       | 32.80                     | 0.657                        | 7.33  | 26.1  | 0.00      | -189     | 0.0             | 0.4      | 4.2 |
| 1122 | 9.5           | 500       | 32.80                     | 0.657                        | 7.34  | 26.1  | 0.00      | -194     | 0.0             | 0.4      | 4.1 |
| 1130 | Completed     | Sampling  |                           |                              |       |       |           |          |                 |          |     |
| 1133 | Sample        | End       | 32.80                     |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 2.56 ft BTOC, water level not to draw down below 35.32 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-Sampled for Nitrate, Nitrite, & Ortho-phos

## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

\*  
 Well ID: H-43 Screened Interval (ft): 29' - 43' bgs Well Diameter (in): 4"  
 Date: 8/5/09 Pump Intake Depth (ft): ≈ 36' bgs Static Water Level (ft): 32.47' BTOC  
 Sample ID: H-43-3Q-CAMU Purging/ Sample Device: Portable Total Well depth (ft): 36.85' BTOC  
 Time: 1035 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 4.38'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Nelsene Atford  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 40 CPM 4 ID: 103  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 8/5/09 0810

| Time | Volume Purged      | Flow Rate | Water Level (feet - BTOC) | Specific Conductance (mS/cm) | pH    | Temp. | DO (mg/L) | ORP (mV) | Turbidity (NTU) | Salinity | TDS |
|------|--------------------|-----------|---------------------------|------------------------------|-------|-------|-----------|----------|-----------------|----------|-----|
|      | Liters             | ml/min    | ± 0.1 ft                  | 3%                           | ± 0.1 | ± 0.2 | ± 10%     | ± 10%    | ± 10%           | %        | g/L |
| 1005 | Pump Start         |           |                           |                              |       |       |           |          |                 |          |     |
| 1007 | 350ml              | 350       | 32.47                     | 0.586                        | 7.26  | 26.9  | 1.39      | -181     | 40.4            | 0.3      | 3.7 |
| 1010 | 1.5                | 350       | 32.47                     | 0.584                        | 7.06  | 26.7  | 0.37      | -136     | 48.4            | 0.3      | 3.7 |
| 1013 | 2.6                | 350       | 32.47                     | 0.585                        | 6.40  | 26.4  | 0.12      | -119     | 46.0            | 0.3      | 3.7 |
| 1016 | 3.7                | 350       | 32.47                     | 0.586                        | 6.32  | 26.5  | 0.06      | -116     | 44.5            | 0.3      | 3.7 |
| 1019 | 4.9                | 350       | 32.47                     | 0.586                        | 6.21  | 26.4  | 0.07      | -117     | 44.8            | 0.3      | 3.7 |
| 1022 | 6.1                | 350       | 32.47                     | 0.587                        | 6.17  | 26.7  | 0.06      | -116     | 43.5            | 0.3      | 3.7 |
| 1025 | 7.3                | 350       | 32.47                     | 0.586                        | 6.17  | 26.9  | 0.06      | -118     | 42.7            | 0.3      | 3.7 |
| 1028 | 8.3                | 350       | 32.47                     | 0.586                        | 6.16  | 26.8  | 0.05      | -120     | 42.5            | 0.3      | 3.7 |
| 1035 | Commenced Sampling |           |                           |                              |       |       |           |          |                 |          |     |
| 1038 | Sample End         |           | 32.47                     |                              |       |       |           |          |                 |          |     |
|      |                    |           |                           |                              |       |       |           |          |                 |          |     |
|      |                    |           |                           |                              |       |       |           |          |                 |          |     |
|      |                    |           |                           |                              |       |       |           |          |                 |          |     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 0.88 ft BTOC, water level not to draw down below 33.35 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 Nitrate, Nitrite, + Ortho-Phos



## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID: \* AA-BW-08A Screened Interval (ft) 37.5'-57.5' bgs Well Diameter (in): 4"  
 Date: 8/5/09 Pump Intake Depth (ft) ≈ 57' bgs Static Water Level (ft): 50.86' BTOC  
 Sample ID: AA-BW-08A-3Q-CAMU Purging/ Sample Device: Dedicated Total Well depth (ft): 60.43' BTOC  
 Time: 0900 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 9.57'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Nelsene Atford  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 60 CPM 3 ID: 82  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 8/5/09 0810

| Time | Volume Purged | Flow Rate | Water Level (feet - BTOC) | Specific Conductance (mS/cm) | pH    | Temp. | DO (mg/L) | ORP (mV) | Turbidity (NTU) | Salinity | TDS |
|------|---------------|-----------|---------------------------|------------------------------|-------|-------|-----------|----------|-----------------|----------|-----|
|      | Liters        | ml/min    | ± 0.1 ft                  | 3%                           | ± 0.1 | ± 0.2 | ± 10%     | ± 10%    | ± 10%           | %        | g/L |
| 0835 | Pump          | Start     |                           |                              |       |       |           |          |                 |          |     |
| 0838 | 500 ml        | 500       | 50.95                     | 2.42                         | 6.65  | 27.0  | 0.29      | -199     | -4.9            | 1.5      | 15  |
| 0842 | 2.0           | 500       | 50.95                     | 2.41                         | 6.96  | 26.9  | 0.30      | -212     | -5.0            | 1.5      | 15  |
| 0846 | 4.0           | 500       | 50.95                     | 2.40                         | 7.02  | 26.9  | 0.00      | -218     | -5.1            | 1.5      | 15  |
| 0849 | 5.5           | 500       | 50.95                     | 2.40                         | 7.01  | 26.9  | 0.00      | -222     | -5.1            | 1.5      | 15  |
| 0852 | 7.0           | 500       | 50.95                     | 2.40                         | 7.03  | 26.9  | 0.00      | -224     | -5.1            | 1.5      | 15  |
| 0855 | 8.5           | 500       | 50.95                     | 2.40                         | 7.02  | 26.9  | 0.00      | -226     | -5.1            | 1.5      | 15  |
| 0900 | Commenced     | Sampling  |                           |                              |       |       |           |          |                 |          |     |
| 0903 | Sample        | End       | 50.95                     |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |
|      |               |           |                           |                              |       |       |           |          |                 |          |     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 1.54 ft BTOC, water level not to draw down below 52.40 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 nitrate, nitrite, + ortho-phos

## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - Camu

Well ID: AA-BW-06A Screened Interval (ft): 23'-43' bgs Well Diameter (in): 4"  
 Date: 7/30/09 Pump Intake Depth (ft): ~ 43' bgs Static Water Level (ft): 32.76' BToc  
 Sample ID: AA-BW-06A-3Q-Camu Purging/ Sample Device: Dedicated Total Well depth (ft): 45.40' BToc  
 Time: 0900 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 12.64'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Carlos Cobos  
 MS/MSD ID: N/A Water Quality Meter: Hanna U-22 Optimal Pump Setting: PSI \_\_\_\_\_ CPM \_\_\_\_\_ ID: \_\_\_\_\_  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/30/09 0640

| Time | Volume Purged | Flow Rate | Water Level (feet - BToc) | Specific Conductance (ms/cm) | pH    | Temp. | DO (mg/L) | ORP (mV) | Turbidity (NTU) | Salinity | TDS                 |
|------|---------------|-----------|---------------------------|------------------------------|-------|-------|-----------|----------|-----------------|----------|---------------------|
|      | Liters        | ml/min    | ± 0.1 ft                  | 3%                           | ± 0.1 | ± 0.2 | ± 10%     | ± 10%    | ± 10%           | %        | g/L                 |
| 0830 | Pump          | Start     |                           |                              |       |       |           |          |                 |          |                     |
| 0831 | 500ml         | 500       | 32.78                     | 0.691                        | 7.18  | 26.0  | 0.82      | -145     | 13.4            | 0.4      | 60 psi, 4.4 I.D. 82 |
| 0834 | 2.0           | 500       | 32.78                     | 0.686                        | 7.11  | 25.9  | 0.14      | -160     | 9.0             | 0.4      | 4.3                 |
| 0837 | 3.5           | 500       | 32.78                     | 0.679                        | 7.15  | 25.7  | 0.00      | -172     | 10.9            | 0.4      | 4.3                 |
| 0840 | 5.0           | 500       | 32.78                     | 0.666                        | 7.15  | 25.7  | 0.00      | -181     | 7.6             | 0.4      | 4.3                 |
| 0843 | 6.5           | 500       | 32.78                     | 0.661                        | 7.14  | 25.6  | 0.00      | -186     | 3.9             | 0.4      | 4.3                 |
| 0846 | 8.0           | 500       | 32.78                     | 0.659                        | 7.15  | 25.6  | 0.00      | -189     | 0.0             | 0.4      | 4.2                 |
| 0849 | 9.5           | 500       | 32.78                     | 0.658                        | 7.16  | 25.6  | 0.00      | -191     | 0.0             | 0.4      | 4.2                 |
| 0852 | 11.0          | 500       | 32.78                     | 0.658                        | 7.14  | 25.7  | 0.00      | -191     | 0.1             | 0.4      | 4.2                 |
| 0900 | Commenced     | Sampling  |                           |                              |       |       |           |          |                 |          |                     |
| 0945 | Sample        | End       | 32.78                     |                              |       |       |           |          |                 |          |                     |
|      |               |           |                           |                              |       |       |           |          |                 |          |                     |
|      |               |           |                           |                              |       |       |           |          |                 |          |                     |
|      |               |           |                           |                              |       |       |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 2.56 ft BToc, water level not to draw down below 35.32 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.



## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID: H-43  
 Date: 7/30/09  
 Sample ID: H-43-3Q-CAMU  
 Time: 0720  
 Dup ID: N/A  
 Rinsate ID: N/A  
 MS/MSD ID: N/A  
 Analysis: Various

Screened Interval (ft): 29'-43' bgs  
 Pump Intake Depth (ft): ≈ 36' bgs  
 Purging/ Sample Device: Portable  
 PID Reading at TOC:   
 Water Level Instrument: Solinst  
 WLI Serial #: 51166  
 Water Quality Meter: Horiba U-22  
 Water Quality Meter Serial #: 927235  
 WQM Calibrated Date & Time: 7/30/09 0640

Well Diameter (in): 4"  
 Static Water Level (ft): 32.47' BTOC  
 Total Well depth (ft): 37.47' BTOC  
 Water Column Length: 5.00'  
 Minimum Purge Volume:   
 Samplers Name: Andrew Kirk Carlos Cobos  
 Optimal Pump Setting: PSI 40 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. | DO (mg/L) | ORP (mV) | Turbidity (NTU) | Salinity | TDS                 |
|------|---------------|-----------|---------------------------|------------------------------|-------|-------|-----------|----------|-----------------|----------|---------------------|
|      | Liters        | ml/min    | ± 0.1 ft                  | 3%                           | ± 0.1 | ± 0.2 | ± 10%     | ± 10%    | ± 10%           | %        | g/L                 |
| 0656 | Pump          | Start     |                           |                              |       |       |           |          |                 |          |                     |
| 0657 | 450 ml        | 450       | 32.50                     | 0.595                        | 6.23  | 27.2  | 1.20      | -180     | 172             | 0.3      | 40 PSI 3.7 I.D. 103 |
| 0700 | 1.6           | 450       | 32.50                     | 0.585                        | 6.91  | 26.1  | 0.08      | -222     | 122             | 0.3      | 3.7                 |
| 0703 | 3.0           | 450       | 32.50                     | 0.583                        | 7.11  | 26.0  | 0.00      | -235     | 101             | 0.3      | 3.7                 |
| 0706 | 4.2           | 450       | 32.50                     | 0.583                        | 7.21  | 25.9  | 0.00      | -236     | 83.6            | 0.3      | 3.7                 |
| 0709 | 5.5           | 450       | 32.50                     | 0.582                        | 7.19  | 25.9  | 0.00      | -239     | 83.1            | 0.3      | 3.7                 |
| 0712 | 6.7           | 450       | 32.50                     | 0.582                        | 7.26  | 25.9  | 0.00      | -244     | 83.0            | 0.3      | 3.7                 |
| 0715 | 8.0           | 450       | 32.50                     | 0.582                        | 7.27  | 25.9  | 0.00      | -246     | 82.5            | 0.3      | 3.7                 |
| 0718 | 9.3           | 450       | 32.50                     | 0.582                        | 7.29  | 25.9  | 0.00      | -248     | 83.6            | 0.3      | 3.7                 |
| 0720 | Commenced     | Sampling  |                           |                              |       |       |           |          |                 |          |                     |
| 0810 | Sample        | End       | 32.50                     |                              |       |       |           |          |                 |          |                     |
|      |               |           |                           |                              |       |       |           |          |                 |          |                     |
|      |               |           |                           |                              |       |       |           |          |                 |          |                     |
|      |               |           |                           |                              |       |       |           |          |                 |          |                     |
|      |               |           |                           |                              |       |       |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 0.88 ft BTOC, water level not to draw down below 33.35 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.

Well ID: AA-BW-08B Screened Interval (ft) 43' - 63' bgs Well Diameter (in): 4"  
 Date: 7/29/09 Pump Intake Depth (ft) ≈ 60' bgs Static Water Level (ft): 51.46' BTOC  
 Sample ID: \* Purging/ Sample Device: Dedicated Total Well depth (ft): 65.40' BTOC  
 Time: \* PID Reading at TOC: \_\_\_\_\_ Water Column Length: 13.94'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Carlos Cobos  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI \_\_\_\_\_ CPM \_\_\_\_\_ ID: \_\_\_\_\_  
 Analysis: \* Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: \*  
 WQM Calibrated Date & Time: 7/29/09 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                 |
| 0950 | Pump          | Start     |                         |                              |       |            |           |          |                 |          |                     |
| 0952 | 500 ml        | 500       | 51.50                   | 4.21                         | 6.66  | 28.1       | 2.19      | -225     | 8.8             | 2.9      | 70 PSI, 27 I.D. 82  |
| 0955 | 2.0           | 500       | 51.50                   | 4.64                         | 6.63  | 27.6       | 0.19      | -254     | 4.5             | 3.0      | 28                  |
| 0958 | 3.5           | 500       | 51.50                   | 4.62                         | 6.66  | 27.6       | 0.01      | -256     | 3.5             | 3.0      | 28                  |
| 1001 | 5.0           | 500       | 51.50                   | 4.59                         | 6.69  | 27.5       | 0.00      | -257     | 3.7             | 3.0      | 28                  |
| 1004 | 6.5           | 500       | 51.50                   | 4.48                         | 6.74  | 27.5       | 0.00      | -258     | 3.6             | 3.0      | 28                  |
| 1007 | 8.0           | 500       | 51.50                   | 4.23                         | 6.82  | 27.6       | 0.00      | -261     | 2.0             | 2.7      | 26                  |
| 1010 | 9.5           | 500       | 51.50                   | 3.86                         | 6.85  | 27.8       | 0.00      | -264     | 1.1             | 2.4      | 23                  |
| 1013 | 11.0          | 500       | 51.50                   | 3.86                         | 6.87  | 28.4       | 0.00      | -257     | 0.2             | 2.4      | 23                  |
| 1016 | 12.5          | 500       | 51.50                   | 3.86                         | 6.89  | 28.3       | 0.00      | -255     | 0.0             | 2.4      | 23                  |
| 1019 | 14.0          | 500       | 51.50                   | 3.59                         | 6.93  | 28.3       | 0.00      | -254     | 0.0             | 2.3      | 22                  |
| 1022 | 15.5          | 500       | 51.50                   | 3.58                         | 6.95  | 28.2       | 0.00      | -254     | -0.1            | 2.2      | 22                  |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible 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.

\* Field Parameters Only



## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID: AA-BW-08A Screened Interval (ft) 37.5' - 57.5' <sup>bgs</sup> Well Diameter (in): 4"  
 Date: 7/29/09 Pump Intake Depth (ft) ≈ 57' <sup>bgs</sup> Static Water Level (ft): 50.87' BTOC  
 Sample ID: AA-BW-08A-3Q-CAMU Purging/ Sample Device: Dedicated Total Well depth (ft): 60.40' BTOC  
 Time: 0900 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 9.53'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Carlos Cobos  
 MS/MSD ID: N/A Water Quality Meter: Hanna U-22 Optimal Pump Setting: PSI 60 CPM 3 ID: 80  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/29/09 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                 |
| 0825 | Pump          | Start     |                         |                              |       |            |           |          |                 |          |                     |
| 0826 | 500 ml        | 500       | 50.93                   | 2.51                         | 6.66  | 27.1       | 0.62      | -182     | -6.4            | 1.5      | 60 PSI 16 I.D. 82   |
| 0830 | 2.0           | 500       | 50.93                   | 2.50                         | 6.84  | 26.9       | 0.14      | -200     | -8.1            | 1.5      | 16                  |
| 0833 | 3.5           | 500       | 50.93                   | 2.50                         | 6.86  | 26.9       | 0.00      | -210     | -8.1            | 1.5      | 16                  |
| 0836 | 5.0           | 500       | 50.93                   | 2.50                         | 6.89  | 26.8       | 0.00      | -215     | -8.3            | 1.5      | 16                  |
| 0839 | 6.5           | 500       | 50.93                   | 2.50                         | 6.93  | 26.9       | 0.00      | -219     | -8.3            | 1.5      | 16                  |
| 0842 | 8.0           | 500       | 50.93                   | 2.50                         | 6.92  | 26.9       | 0.00      | -221     | -8.4            | 1.5      | 16                  |
| 0845 | 9.5           | 500       | 50.93                   | 2.50                         | 6.93  | 26.9       | 0.00      | -224     | -8.4            | 1.5      | 16                  |
| 0900 | Commenced     | Sampling  |                         |                              |       |            |           |          |                 |          |                     |
| 0935 | Sample        | End       |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 1.53 ft BTOC, water level not to draw down below 52.40 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.

Well ID: M76 Screened Interval (ft): 32.5' - 50.5' bgs Well Diameter (in): 2"  
 Date: 7/23/09 Pump Intake Depth (ft): ≈ 45' bgs Static Water Level (ft): 36.11' BTOC  
 Sample ID: M76-3G-CAMU Purging/ Sample Device: Portable Total Well depth (ft): 54.77' BTOC  
 Time: 0320 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 18.66'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Carlos Cones  
 MS/MSD ID: N/A Water Quality Meter: Hanalyzer U-32 Optimal Pump Setting: PSI 50 CPM 1 ID: 6  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/23/09 0720

| 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                 |
| 0732 | Pump Start         |           |                         |                              |       |            |           |          |                 |          |                     |
| 0738 | 100 ml             | 100       | 36.18                   | 1.13                         | 6.47  | 26.8       | 3.66      | 138      | 94.7            | 0.6      | 70 PSI, 7 I.D. 26   |
| 0745 | 300 ml             | 100       | 36.20                   | 1.13                         | 6.73  | 26.2       | 2.33      | 121      | 62.0            | 0.6      | 7                   |
| 0748 | 1.1                | 100       | 36.20                   | 1.13                         | 6.79  | 26.0       | 1.50      | 114      | 53.2            | 0.6      | 7                   |
| 0752 | 1.5                | 100       | 36.20                   | 1.13                         | 6.88  | 25.8       | 1.33      | 111      | 44.8            | 0.6      | 7                   |
| 0757 | 2.0                | 100       | 36.20                   | 1.13                         | 6.89  | 25.7       | 0.98      | 106      | 34.7            | 0.6      | 7                   |
| 0802 | 2.5                | 100       | 36.20                   | 1.13                         | 6.90  | 25.6       | 0.94      | 103      | 21.7            | 0.6      | 7                   |
| 0806 | 3.0                | 100       | 36.21                   | 1.12                         | 6.92  | 25.6       | 0.48      | 100      | 21.4            | 0.6      | 7                   |
| 0809 | 3.3                | 100       | 36.21                   | 1.12                         | 6.91  | 25.5       | 0.47      | 99       | 20.9            | 0.6      | 7                   |
| 0813 | 3.8                | 100       | 36.22                   | 1.12                         | 6.99  | 25.6       | 0.45      | 95       | 20.7            | 0.6      | 7                   |
| 0820 | Commenced Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
| 1300 | Sample End         |           | 36.22                   |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 2.22 ft BTOC, water level not to draw down below 38.33 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.



## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID: AA-BW-07  
 Date: 7/27/09  
 Sample ID: AA-BW-7-30-CAMU  
 Time: 1045  
 Dup ID: N/A  
 Rinsate ID: N/A  
 MS/MSD ID: N/A  
 Analysis: various

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: Solinst  
 WLI Serial #: 51166  
 Water Quality Meter: Horiba U-22  
 Water Quality Meter Serial #: 927235  
 WQM Calibrated Date & Time: 7/27/09 0720

Well Diameter (in): 4"  
 Static Water Level (ft): ~~52.1'~~ 38.84' BTOC  
 Total Well depth (ft): 76.12' BTOC  
 Water Column Length: 37.28'  
 Minimum Purge Volume: \_\_\_\_\_  
 Samplers Name: Andrew Kirk Carlos Cobos  
 Optimal Pump Setting: PSI \_\_\_\_\_ CPM \_\_\_\_\_ ID: \_\_\_\_\_  
 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                 |
| 1015 | Pump          | Start     |                         |                              |       |            |           |          |                 |          |                     |
| 1018 | 300ml         | 300       | 39.00                   | 2.41                         | 6.65  | 27.8       | 1.11      | -126     | -1.6            | 1.5      | 50 PSI. 15 I.D. 76  |
| 1021 | 1.2           | 300       | 39.00                   | 2.41                         | 6.63  | 26.8       | 0.85      | -135     | -2.6            | 1.5      | 15                  |
| 1024 | 2.5           | 400       | 39.06                   | 2.40                         | 6.65  | 26.3       | 0.60      | -143     | -1.4            | 1.5      | 50 PSI. 15 I.D. 103 |
| 1027 | 3.7           | 460       | 39.06                   | 2.41                         | 6.68  | 26.4       | 0.40      | -151     | -2.0            | 1.5      | 60 PSI. 15 I.D. 103 |
| 1030 | 4.9           | 460       | 39.07                   | 2.41                         | 6.72  | 26.1       | 0.45      | -157     | -2.3            | 1.5      | 15                  |
| 1033 | 6.2           | 460       | 39.08                   | 2.41                         | 6.74  | 26.2       | 0.41      | -161     | -2.2            | 1.5      | 15                  |
| 1036 | 7.5           | 460       | 39.08                   | 2.41                         | 6.75  | 25.9       | 0.40      | -164     | -2.3            | 1.5      | 15                  |
| 1039 | 8.8           | 460       | 39.08                   | 2.41                         | 6.75  | 25.9       | 0.41      | -166     | -2.4            | 1.5      | 15                  |
| 1045 | Commenced     | Sampling  |                         |                              |       |            |           |          |                 |          |                     |
| 1135 | Sample        | End       | 39.04                   |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 2.79 ft BTOC, water level not to draw down below 41.63 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.



Well ID: EC-2 Screened Interval (ft): 50'-60' BTOC Well Diameter (in): 4"  
 Date: 7/27/09 Pump Intake Depth (ft): ≈ 58' BTOC Static Water Level (ft): 56.06' BTOC  
 Sample ID: EC-2-3Q-CAMU Purging/ Sample Device: Portable Total Well depth (ft): 60.55' BTOC  
 Time: 0805 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 4.49'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Carlos Cobos  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 50 CPM 2 ID: 47  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/27/09 0720

| 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                 |
| 0735 | Pump          | Start     |                         |                              |       |            |           |          |                 |          |                     |
| 0737 | 200 ml        | 200       | 56.13                   | 1.93                         | 6.37  | 28.8       | 2.06      | -167     | 2.8             | 1.2      | 50 PSI. 12 I.D. 47  |
| 0740 | 1.0           | 200       | 56.13                   | 1.92                         | 6.59  | 28.4       | 0.90      | -199     | 2.0             | 1.1      | 12                  |
| 0743 | 1.6           | 200       | 56.13                   | 1.92                         | 6.66  | 28.1       | 0.70      | -209     | 0.8             | 1.1      | 12                  |
| 0747 | 2.2           | 200       | 56.13                   | 1.91                         | 6.70  | 28.0       | 0.42      | -218     | -0.8            | 1.1      | 12                  |
| 0750 | 2.9           | 200       | 56.13                   | 1.92                         | 6.72  | 27.9       | 0.28      | -220     | -1.8            | 1.1      | 12                  |
| 0754 | 3.6           | 200       | 56.13                   | 1.91                         | 6.73  | 27.8       | 0.30      | -224     | -1.7            | 1.1      | 12                  |
| 0757 | 4.2           | 200       | 56.13                   | 1.91                         | 6.74  | 27.8       | 0.31      | -225     | -1.8            | 1.1      | 12                  |
| 0800 | 4.8           | 200       | 56.13                   | 1.91                         | 6.74  | 27.8       | 0.33      | -224     | -1.9            | 1.1      | 12                  |
| 0805 | Commenced     | Sampling  |                         |                              |       |            |           |          |                 |          |                     |
| 0945 | Sample        | End       | 56.13                   |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |
|      |               |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 0.49 ft BTOC, water level not to draw down below 56.55 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.

## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID: MCF-BW-08 Screened Interval (ft) 77'-87' Bgs Well Diameter (in): 4"  
 Date: 7/24/09 Pump Intake Depth (ft) ≈ 82' bgs Static Water Level (ft): 49.15' BTOC  
 Sample ID: \* Purging/ Sample Device: Portable Total Well depth (ft): 89.16' BTOC  
 Time: \* PID Reading at TOC: \_\_\_\_\_ Water Column Length: 40.01'  
 Dup ID: N/A Water Level Instrument: S-11-St Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: \*  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 60 CPM 2 ID: 46  
 Analysis: \* Water Quality Meter Serial #: 927 235 Low-Flow or Net Purge: \*  
 WQM Calibrated Date & Time: 7/24/09 0715

| 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                 |
| 1128 | Pump          | Start              |                         |                              |       |            |           |          |                 |          |                     |
| 1132 | Paused        | to replace bladder |                         |                              |       |            |           |          |                 |          | 60 PSI. I.D. 46     |
| 1146 | Restart       |                    |                         |                              |       |            |           |          |                 |          |                     |
| 1155 | 100 ml        | 100                | 49.62                   | 0.166                        | 5.50  | 29.4       | 1.47      | 123      | 19.0            | 0.1      | 1.0                 |
| 1158 | 500 ml        | 100                | 49.71                   | 0.156                        | 5.47  | 29.3       | 1.05      | 123      | 12.4            | 0.1      | 1.0                 |
| 1201 | 800 ml        | 100                | 49.90                   | 0.153                        | 5.47  | 29.1       | 0.78      | 120      | 12.6            | 0.1      | 1.0                 |
| 1204 | 1.2           | 100                | 50.06                   | 0.150                        | 5.45  | 29.0       | 0.48      | 117      | 12.5            | 0.1      | 1.0                 |
| 1207 | 1.6           | 100                | 50.26                   | 0.149                        | 5.45  | 29.0       | 0.51      | 115      | 12.5            | 0.1      | 1.0                 |
| 1210 | 2.0           | 100                | 50.44                   | 0.149                        | 5.45  | 29.0       | 0.48      | 113      | 13.1            | 0.1      | 1.0                 |
| 1213 | 2.3           | 100                | 50.62                   | 0.149                        | 5.45  | 29.0       | 0.44      | 114      | 12.9            | 0.1      | 1.0                 |
|      |               |                    |                         |                              |       |            |           |          |                 |          |                     |
|      |               |                    |                         |                              |       |            |           |          |                 |          |                     |
|      |               |                    |                         |                              |       |            |           |          |                 |          |                     |
|      |               |                    |                         |                              |       |            |           |          |                 |          |                     |
|      |               |                    |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible 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.

\* Field Parameters only



Well ID: AA-BW-09A Screened Interval (ft) 33'-53' BTOC Well Diameter (in): 4"  
 Date: 7/24/09 Pump Intake Depth (ft) ≈ 52' BTOC Static Water Level (ft): 48.80' BTOC  
 Sample ID AA-BW-09A-3Q-CAMU Purging/ Sample Device: Dedicated Total Well depth (ft): 55.25' BTOC  
 Time: 0845 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 6.45'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk  
 MS/MSD ID: N/A Water Quality Meter: Hanna U-22 Optimal Pump Setting: PSI 50 CPM 2 ID: 44  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/24/09 0715

| 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                 |
| 0735 | Pump               | Start     |                         |                              |       |            |           |          |                 |          |                     |
| 0739 | 100 ml             | 100       | 48.90                   | 6.57                         | 6.40  | 26.7       | 2.32      | 150      | -4.7            | 4.0      | 50 PSI, 40 I.D. 44  |
| 0742 | 500 ml             | 100       | 48.95                   | 6.58                         | 6.39  | 26.5       | 1.74      | 139      | -4.8            | >4.0     | 39                  |
| 0745 | 900 ml             | 100       | 49.00                   | 6.44                         | 6.40  | 26.2       | 0.96      | 121      | -5.2            | >4.0     | 39                  |
| 0748 | 1.3                | 100       | 49.02                   | 6.44                         | 6.40  | 26.1       | 0.66      | 112      | -5.2            | >4.0     | 39                  |
| 0753 | 1.9                | 100       | 49.05                   | 6.43                         | 6.41  | 25.9       | 0.42      | 96       | -5.2            | >4.0     | 39                  |
| 0800 | 2.6                | 100       | 49.10                   | 6.44                         | 6.41  | 25.8       | 0.20      | 87       | -5.3            | >4.0     | 39                  |
| 0806 | 3.2                | 100       | 49.11                   | 6.42                         | 6.41  | 25.9       | 0.21      | 85       | -5.2            | >4.0     | 39                  |
| 0810 | 3.7                | 100       | 49.11                   | 6.42                         | 6.41  | 25.9       | 0.20      | 81       | -5.3            | >4.0     | 39                  |
| 0816 | 4.4                | 100       | 49.11                   | 6.41                         | 6.41  | 25.9       | 0.21      | 81       | -5.3            | >4.0     | 39                  |
| 0845 | Commenced Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
| 1105 | Sample End         |           | 49.35                   |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 0.8 ft BTOC, water level not to draw down below 49.60 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.

## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID: AA-BW-03A Screened Interval (ft): 33'-53' BTOC Well Diameter (in): 4"  
 Date: 7/23/09 Pump Intake Depth (ft): ≈ 50' BTOC Static Water Level (ft): 39.61' BTOC  
 Sample ID: AA-BW-03A-3Q-CAMU Purging/ Sample Device: Dedicated Total Well depth (ft): 55.88' BTOC  
 Time: 0830 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 16.27'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Kevin Paprocki  
 MS/MSD ID: AA-BW-03A-3Q-CAMU Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 40 CPM 2 ID: 44  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/22/09 0715

| 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                 |
| 0735 | Pump               | Start     |                         |                              |       |            |           |          |                 |          |                     |
| 0738 | 250 ml             | 250       | 39.81                   | 0.95                         | 6.56  | 25.7       | 0.75      | 52       | 3.0             | 0.5      | 40 PSI 6 I.D. 50    |
| 0741 | 600 ml             | 100       | 39.93                   | 0.95                         | 6.63  | 25.8       | 0.62      | 36       | 3.6             | 0.5      | 40 PSI 6 I.D. 44    |
| 0745 | 1.1                | 100       | 40.02                   | 0.95                         | 6.74  | 25.8       | 0.99      | 15       | 3.3             | 0.5      | 6                   |
| 0748 | 1.5                | 100       | 40.07                   | 0.95                         | 6.80  | 25.7       | 0.79      | 7        | 1.7             | 0.5      | 6                   |
| 0758 | 2.6                | 100       | 40.20                   | 0.95                         | 6.86  | 25.7       | 0.50      | 1        | 1.9             | 0.5      | 6                   |
| 0801 | 3.0                | 100       | 40.22                   | 0.95                         | 6.88  | 26.0       | 0.46      | 1        | 1.8             | 0.5      | 6                   |
| 0804 | 3.3                | 100       | 40.29                   | 0.95                         | 6.87  | 26.0       | 0.42      | 0        | 1.9             | 0.5      | 6                   |
| 0808 | 3.7                | 100       | 40.31                   | 0.95                         | 6.87  | 26.0       | 0.45      | -1       | 1.9             | 0.5      | 6                   |
| 0830 | Commenced Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
| 1245 |                    |           | 41.25                   |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 2.6 ft BTOC, water level not to draw down below 42.21 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.



## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID: AA-BW-07A Screened Interval (ft): 32'-52' BTOC Well Diameter (in): 4"  
 Date: 7/22/09 Pump Intake Depth (ft): ≈ 48' BTOC Static Water Level (ft): 39.43' BTOC  
 Sample ID: AA-BW-07A-30-CAMU Purging/ Sample Device: Dedicated Total Well depth (ft): 54.45' BTOC  
 Time: 1145 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 15.02'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Kevin Paprock  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI \_\_\_\_\_ CPM \_\_\_\_\_ ID: \_\_\_\_\_  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/22/09 0720

| 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                 |
| 1112 | Pump               | Start     | 45                      |                              |       |            |           |          |                 |          |                     |
| 1114 | 500 ml             | 500       | 39.43                   | 0.611                        | 7.11  | 29.0       | 8.27      | 416      | 17.9            | 0.3      | 70 PSI 3.7 I.D. 103 |
| 1117 | 2.0                | 500       | 39.45                   | 0.560                        | 6.83  | 25.4       | 3.84      | 436      | 26.3            | 0.3      | 3.5                 |
| 1120 | 3.5                | 500       | 39.45                   | 0.558                        | 6.88  | 25.2       | 3.61      | 442      | 16.4            | 0.3      | 3.5                 |
| 1123 | 5.2                | 500       | 39.45                   | 0.557                        | 6.89  | 25.4       | 3.53      | 437      | 10.9            | 0.3      | 3.5                 |
| 1126 | 6.8                | 500       | 39.45                   | 0.557                        | 6.89  | 25.5       | 3.50      | 439      | 10.8            | 0.3      | 3.5                 |
| 1129 | 8.3                | 500       | 39.45                   | 0.557                        | 6.91  | 25.5       | 3.50      | 440      | 10.6            | 0.3      | 3.5                 |
| 1132 | 9.8                | 500       | 39.45                   | 0.557                        | 6.92  | 25.5       | 3.49      | 442      | 10.6            | 0.3      | 3.5                 |
| 1145 | Completed Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
|      | Sample End         |           | 39.45                   |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 2.14 ft BTOC, water level not to draw down below 41.57 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.

## 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: 7/22/09 Pump Intake Depth (ft): ≈ 45' BTOC Static Water Level (ft): 38.60' BTOC  
 Sample ID: H-28-3Q-CAMU Purging/ Sample Device: Portable Total Well depth (ft): 47.80' BTOC  
 Time: 0830 PID Reading at TOC: \_\_\_\_\_ Water Column Length: 9.20'  
 Dup ID: H-28-3Q-CAMU(FD) Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Kevin Paprocki  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 60 CPM 4 ID: 103  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/22/09 0720

| 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                 |
| 0741 | Pump          | Start     |                         |                              |       |            |           |          |                 |          |                     |
| 0745 | 400 ml        | 400       | 38.60                   | 1.17                         | 6.42  | 25.8       | 0.77      | -96      | 417             | 0.7      | 60 PSI 7 ± 0.103    |
| 0748 | 1.6           | 400       | 38.60                   | 1.17                         | 6.47  | 25.6       | 0.59      | -106     | 265             | 0.7      | 7                   |
| 0751 | 2.9           | 400       | 38.60                   | 1.17                         | 6.53  | 25.5       | 0.45      | -107     | 86.4            | 0.7      | 7                   |
| 0754 | 4.2           | 400       | 38.60                   | 1.17                         | 6.56  | 25.4       | 0.40      | -100     | 47.2            | 0.7      | 7                   |
| 0758 | 5.8           | 400       | 38.60                   | 1.17                         | 6.60  | 25.3       | 0.22      | -87      | 16.7            | 0.7      | 7                   |
| 0801 | 7.0           | 400       | 38.60                   | 1.17                         | 6.62  | 25.3       | 0.07      | -79      | 17.1            | 0.7      | 7                   |
| 0804 | 8.2           | 400       | 38.60                   | 1.17                         | 6.62  | 25.3       | 0.04      | -69      | 10.3            | 0.7      | 7                   |
| 0807 | 9.5           | 400       | 38.60                   | 1.17                         | 6.63  | 25.3       | 0.00      | -68      | 10.2            | 0.7      | 7                   |
| 0810 | 10.7          | 400       | 38.60                   | 1.17                         | 6.63  | 25.3       | 0.00      | -65      | 10.0            | 0.7      | 7                   |
| 0813 | 12.0          | 400       | 38.60                   | 1.17                         | 6.63  | 25.3       | 0.00      | -65      | 10.1            | 0.7      | 7                   |
| 0830 | Completed     | Sampling  |                         |                              |       |            |           |          |                 |          |                     |
| 1030 | Sample        | End       | 38.60                   |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 1.60 ft BTOC, water level not to draw down below 40.20 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.



## 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: 7/21/09 Pump Intake Depth (ft) ≈ 63' BTOC Static Water Level (ft): 33.45' BTOC  
 Sample ID: AA-BW-05A Purging/ Sample Device: Dedicated Total Well depth (ft): 67.20' BTOC  
 Time: 0845 PID Reading at TOC: N/A Water Column Length: 33.455'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: 4  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Kevin Paprocki  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 60 CPM 4 ID: 103  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/21/09 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                 |
| 0800 | Pump start         |           |                         |                              |       |            |           |          |                 |          | 50 PSI I.D. 82      |
| 0801 | 350 ml             | 350       | 33.65                   | 3.30                         | 6.59  | 27.0       | 1.35      | -34      | 17.8            | 2.1      | 20                  |
| 0807 | 2.0                | 350       | 33.65                   | 3.23                         | 6.89  | 26.7       | 0.06      | -124     | 35.7            | 2.0      | 20                  |
| 0810 | 3.2                | 350       | 33.66                   | 3.23                         | 6.92  | 26.6       | 0.00      | -137     | 21.4            | 2.0      | 60 PSI I.D. 103     |
| 0814 | 4.8                | 350       | 33.66                   | 3.23                         | 6.93  | 26.6       | 0.00      | -144     | 11.5            | 2.0      | 20                  |
| 0818 | 6.1                | 350       | 33.68                   | 3.23                         | 6.93  | 26.6       | 0.00      | -149     | 7.2             | 2.0      | 20                  |
| 0821 | 7.8                | 350       | 33.70                   | 3.23                         | 6.93  | 26.6       | 0.00      | -153     | 6.8             | 2.0      | 20                  |
| 0824 | 8.9                | 350       | 33.70                   | 3.23                         | 6.93  | 26.6       | 0.00      | -156     | 6.9             | 2.0      | 20                  |
| 0827 | 10.0               | 350       | 33.70                   | 3.24                         | 6.93  | 26.6       | 0.00      | -159     | 6.8             | 2.0      | 20                  |
| 0845 | Commenced Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |

Comments:

Maximum permissible drawdown = 7.25 ft BTOC, water level not to draw down below 41.20 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.



Well ID: AA-BW-04A Screened Interval (ft): 34'-54' BTOC Well Diameter (in): 4"  
 Date: 7/21/09 Pump Intake Depth (ft): ≈ 53' BTOC Static Water Level (ft): 37.81' BTOC  
 Sample ID: AA-BW-04A Purging/ Sample Device: Dedicated Total Well depth (ft): 54.75' BTOC  
 Time: 1100 PID Reading at TOC: N/A Water Column Length: 16.94'  
 Dup ID: N/A Water Level Instrument: Solinst Minimum Purge Volume: \_\_\_\_\_  
 Rinsate ID: N/A WLI Serial #: 51166 Samplers Name: Andrew Kirk Kevin Paprocki.  
 MS/MSD ID: N/A Water Quality Meter: Horiba U-22 Optimal Pump Setting: PSI 70 CPM 4 ID: 103  
 Analysis: Various Water Quality Meter Serial #: 927235 Low-Flow or Net Purge: Low-Flow  
 WQM Calibrated Date & Time: 7/21/09 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                 |
| 1025 | Pump               | Start     |                         |                              |       |            |           |          |                 |          | 70 PSI I.D. 103     |
| 1027 | 600ml              | 600       | 37.87                   | 2.68                         | 6.98  | 28.1       | 2.97      | -173     | 26.2            | 1.7      | 17                  |
| 1030 | 3.0                | 600       | 37.89                   | 2.82                         | 7.03  | 26.9       | 0.11      | -174     | 40.7            | 1.8      | 17                  |
| 1033 | 4.9                | 600       | 37.89                   | 2.78                         | 7.04  | 26.8       | 0.00      | -168     | 13.8            | 1.7      | 17                  |
| 1036 | 6.7                | 600       | 37.89                   | 2.77                         | 7.03  | 26.7       | 0.00      | -165     | 8.1             | 1.7      | 17                  |
| 1039 | 8.6                | 600       | 37.89                   | 2.77                         | 7.03  | 26.7       | 0.00      | -158     | 3.8             | 1.7      | 17                  |
| 1042 | 10.4               | 600       | 37.89                   | 2.77                         | 7.03  | 26.7       | 0.00      | -152     | 3.8             | 1.7      | 17                  |
| 1045 | 12.2               | 600       | 37.89                   | 2.77                         | 7.03  | 26.7       | 0.00      | -149     | 3.7             | 1.7      | 17                  |
| 1048 | 14.0               | 600       | 37.89                   | 2.77                         | 7.03  | 26.7       | 0.00      | -145     | 3.8             | 1.7      | 17                  |
| 1100 | Commenced Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
| 1150 | Sample End         |           | 37.89                   |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 3.8 ft BTOC, water level not to draw down below 41.61 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.

## Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID: AA-BW-02A  
 Date: 7/20/09  
 Sample ID: AA-BW-02A  
 Time: 1120  
 Dup ID: N/A  
 Rinsate ID: N/A  
 MS/MSD ID: N/A  
 Analysis: Various

Screened Interval (ft): 33'-53' BToc  
 Pump Intake Depth (ft): ~ 52' BToc  
 Purging/ Sample Device: Dedicated  
 PID Reading at TOC: N/A  
 Water Level Instrument: Solinst  
 WLI Serial #: 51166  
 Water Quality Meter: Horiba U-22  
 Water Quality Meter Serial #: 927235  
 WQM Calibrated Date & Time: 7/20/09 0720

Well Diameter (in): 4"  
 Static Water Level (ft): 41.63' BToc  
 Total Well depth (ft): 55.62' BToc  
 Water Column Length: 13.99'  
 Minimum Purge Volume:  
 Samplers Name: Andrew Kirk Keith Houck  
 Optimal Pump Setting: PSI 76 CPM 3 ID: 73  
 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                 |
| 1033 | Pump Start         |           |                         |                              |       |            |           |          |                 |          | 70 PSI I.D. 73      |
| 1035 | 350 ml             | 380       | 41.70                   | 1.52                         | 6.68  | 25.8       | 2.01      | 18       | 11.2            | 0.9      | 9                   |
| 1039 | 2.9                | 380       | 41.70                   | 1.52                         | 6.67  | 25.5       | 0.24      | 3        | 9.1             | 0.9      | 9                   |
| 1043 | 4.9                | 380       | 41.70                   | 1.52                         | 6.68  | 25.4       | 0.00      | -4       | 8.9             | 0.9      | 9                   |
| 1046 | 6.4                | 380       | 41.70                   | 1.53                         | 6.64  | 25.5       | 0.00      | -8       | 9.1             | 0.9      | 9                   |
| 1051 | 9.2                | 380       | 41.70                   | 1.53                         | 6.64  | 25.4       | 0.00      | -12      | 9.0             | 0.9      | 9                   |
| 1054 | 11.0               | 380       | 41.70                   | 1.53                         | 6.65  | 25.2       | 0.00      | -12      | 8.9             | 0.9      | 9                   |
| 1057 | 12.7               | 380       | 41.70                   | 1.54                         | 6.64  | 25.4       | 0.00      | -12      | 8.9             | 0.9      | 9                   |
| 1100 | 13.8               | 380       | 41.70                   | 1.53                         | 6.64  | 25.3       | 0.00      | -12      | 8.8             | 0.9      | 9                   |
| 1120 | Completed Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
| 1210 | Sample End         |           | 41.70                   |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |
|      |                    |           |                         |                              |       |            |           |          |                 |          |                     |

Comments:

Maximum permissible drawdown = 2.6 ft BToc, water level not to draw down below 44.23 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.



## Monitoring Well Low-Flow Purge/Sampling Form

Project: Demaximis Quarterly (Consent well)

Well ID: H-21R  
 Date: 7/16/09  
 Sample ID: H-21R  
 Time: 1120  
 Dup ID: N/A  
 Rinsate ID: N/A  
 MS/MSD ID: N/A  
 Analysis: Various

Screened Interval (ft): 30'-45' BTOC  
 Pump Intake Depth (ft): 38' BTOC  
 Purging/ Sample Device: Portable Pump  
 PID Reading at TOC: N/A  
 Water Level Instrument: Solinst  
 WLI Serial #: 51166  
 Water Quality Meter: Horiba U-22  
 Water Quality Meter Serial #: 927235  
 WQM Calibrated Date & Time: 7/16/09 0830

Well Diameter (in): 4"  
 Static Water Level (ft): 31.86' BTOC  
 Total Well depth (ft): 66.55' BTOC  
 Water Column Length: 34.69'  
 Minimum Purge Volume: \_\_\_\_\_  
 Samplers Name: Andrew Kirk  
 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                 |
| 1033 | Pump               | Start     |                         |                              |       |            |           |          |                 |          |                     |
| 1034 | 400 ml             | 400       | 31.90                   | 1.64                         | 6.60  | 30.90      | 3.58      | -162     | 4.1             | 1.0      | 10                  |
| 1037 | 1.6                | 400       | 31.90                   | 1.68                         | 6.76  | 28.00      | 0.49      | -179     | 21.4            | 1.0      | 10                  |
| 1040 | 2.8                | 400       | 31.88                   | 1.69                         | 6.78  | 27.60      | 0.24      | -185     | 21.8            | 1.0      | 10                  |
| 1043 | 4.0                | 400       | 31.88                   | 1.70                         | 6.75  | 27.40      | 0.08      | -189     | 21.9            | 1.0      | 11                  |
| 1046 | 5.2                | 400       | 31.88                   | 1.70                         | 6.75  | 27.40      | 0.07      | -192     | 21.7            | 1.0      | 11                  |
| 1049 | 6.4                | 400       | 31.88                   | 1.71                         | 6.78  | 27.30      | 0.05      | -198     | 21.4            | 1.0      | 11                  |
| 1052 | 7.6                | 400       | 31.88                   | 1.72                         | 6.80  | 27.30      | 0.03      | -201     | 21.0            | 1.0      | 11                  |
| 1055 | 8.8                | 400       | 31.88                   | 1.73                         | 6.80  | 27.20      | 0.00      | -206     | 20.8            | 1.0      | 11                  |
| 1058 | 10.0               | 400       | 31.88                   | 1.73                         | 6.80  | 27.30      | 0.00      | -208     | 20.7            | 1.0      | 11                  |
| 1101 | 11.2               | 400       | 31.88                   | 1.73                         | 6.80  | 27.30      | 0.00      | -211     | 20.5            | 1.0      | 11                  |
| 1120 | Commenced Sampling |           |                         |                              |       |            |           |          |                 |          |                     |
| 1130 | Sample End         |           | 31.88                   |                              |       |            |           |          |                 |          |                     |

Comments: \_\_\_\_\_

Maximum permissible drawdown = 1.54 ft BTOC, water level not to draw down below 33.40 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.

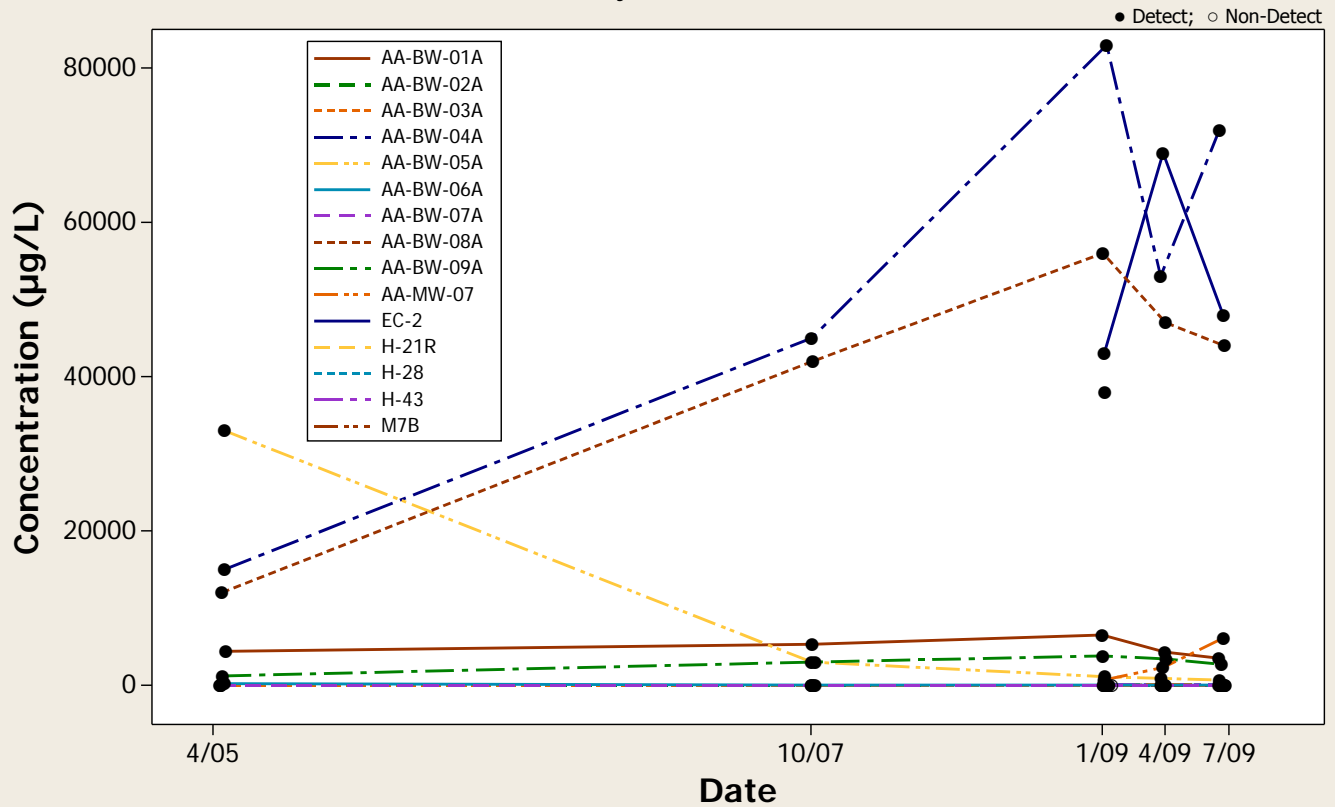
This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

APPENDIX D

CONCENTRATION TREND GRAPHS

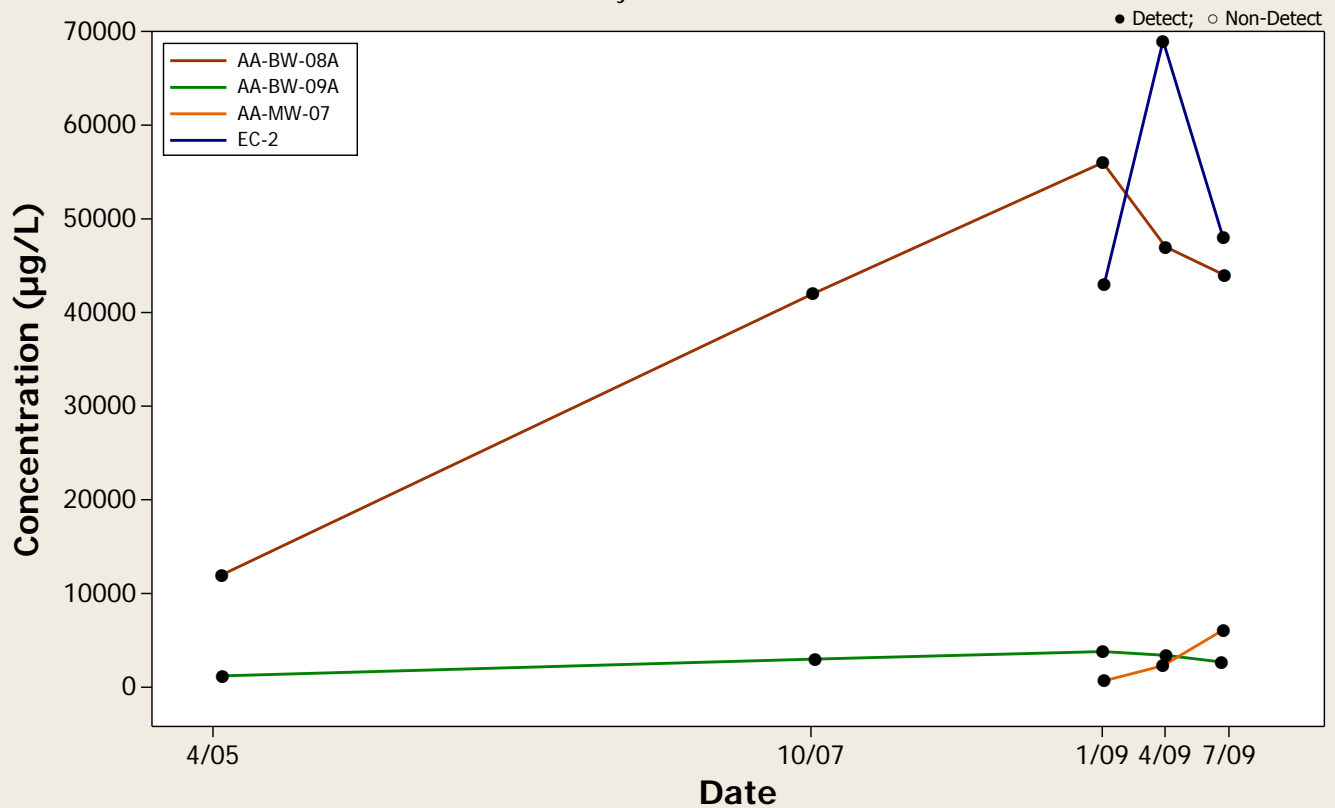
## Concentration Trend Graph - All Wells

Analyte = Benzene



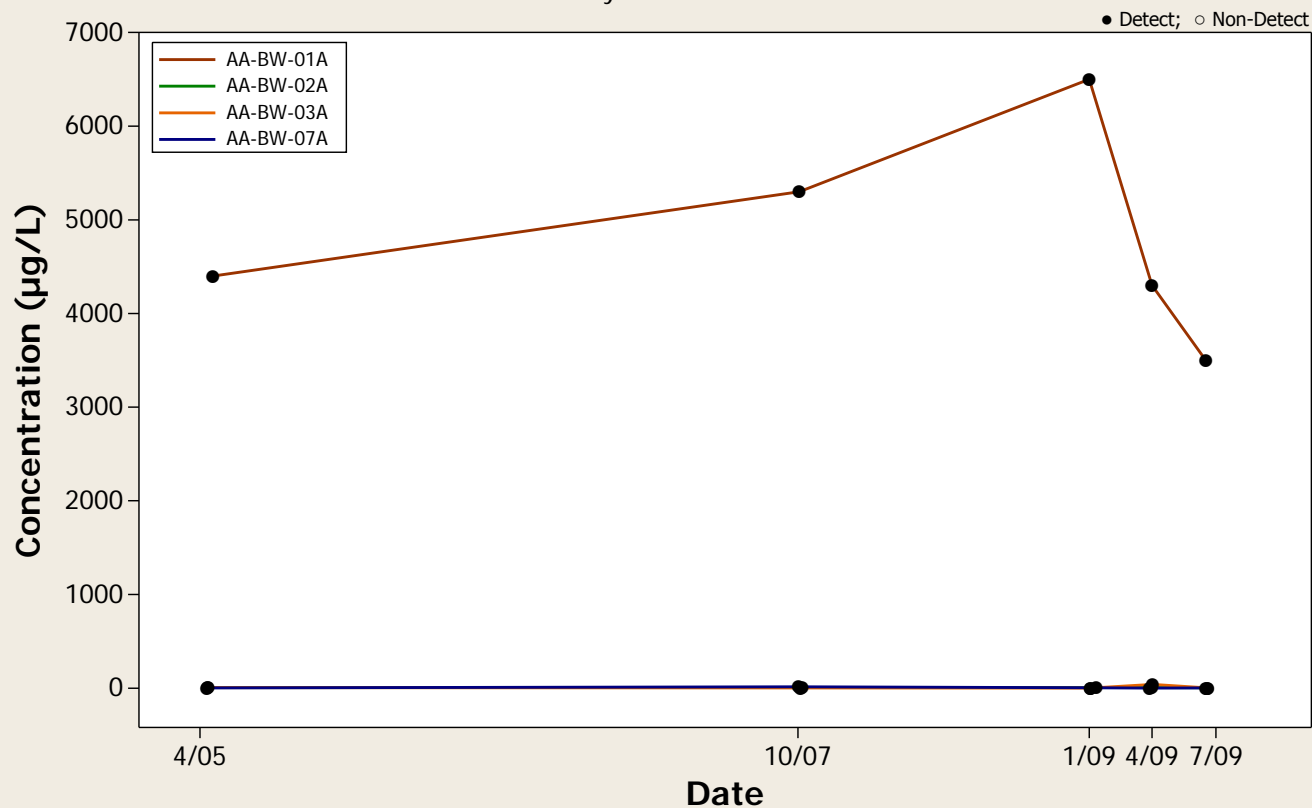
## Concentration Trend Graph - Upgradient Wells

Analyte = Benzene



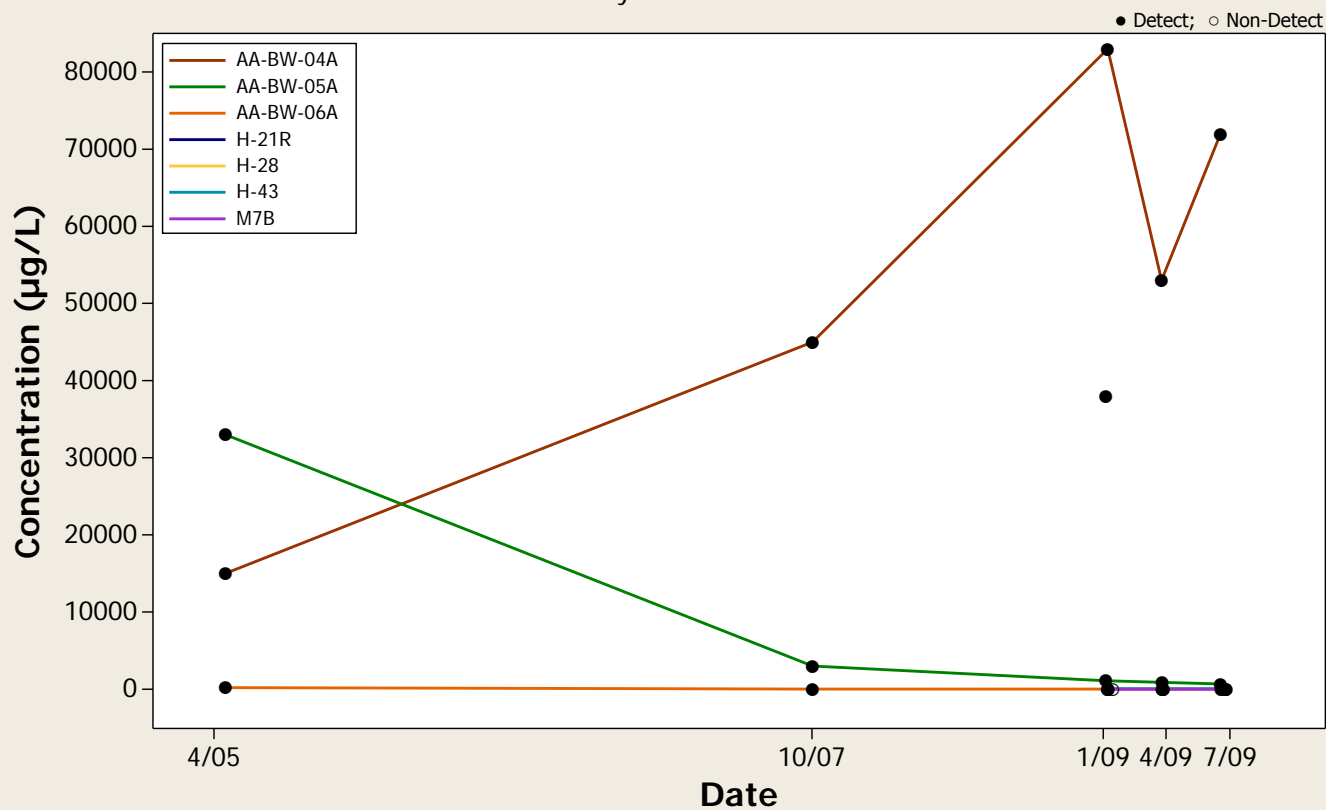
## Concentration Trend Graph - Crossgradient Wells

Analyte = Benzene



## Concentration Trend Graph - Downgradient Wells

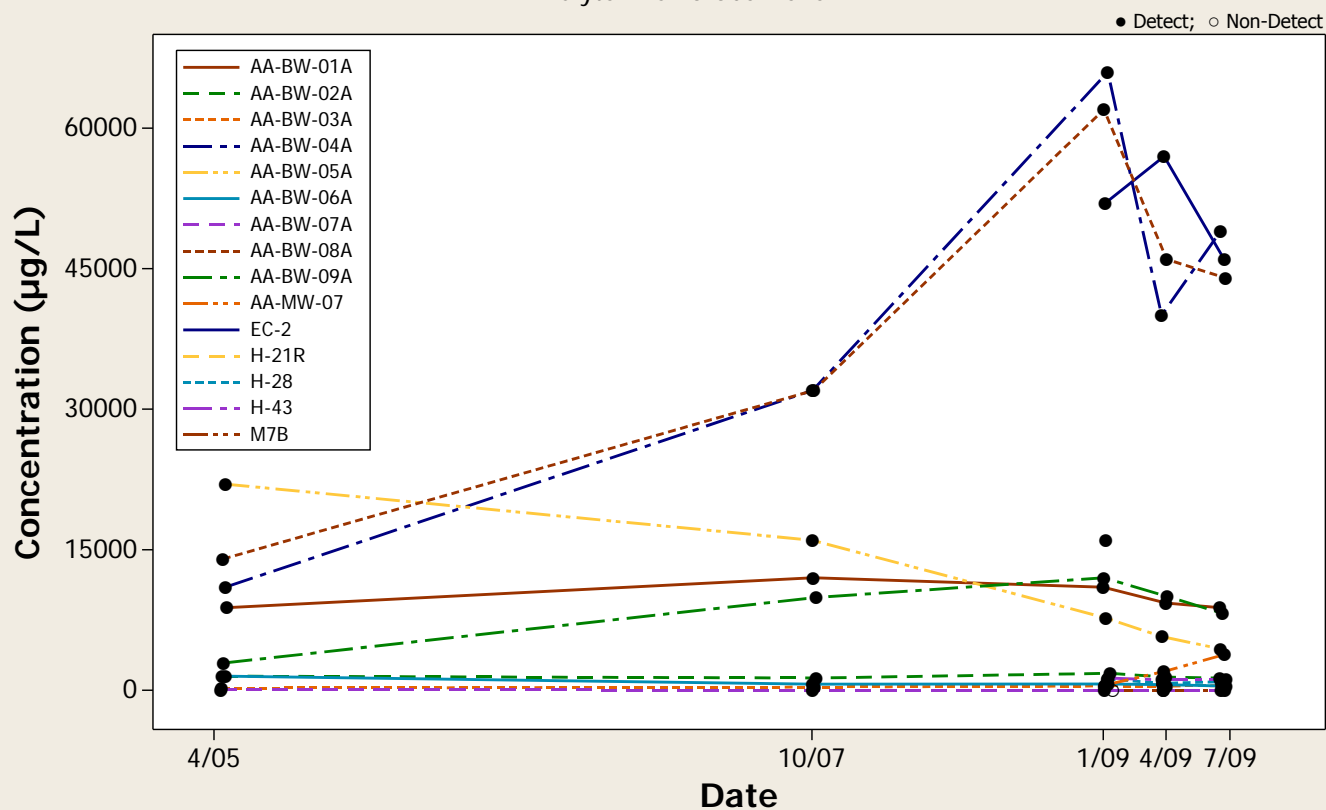
Analyte = Benzene





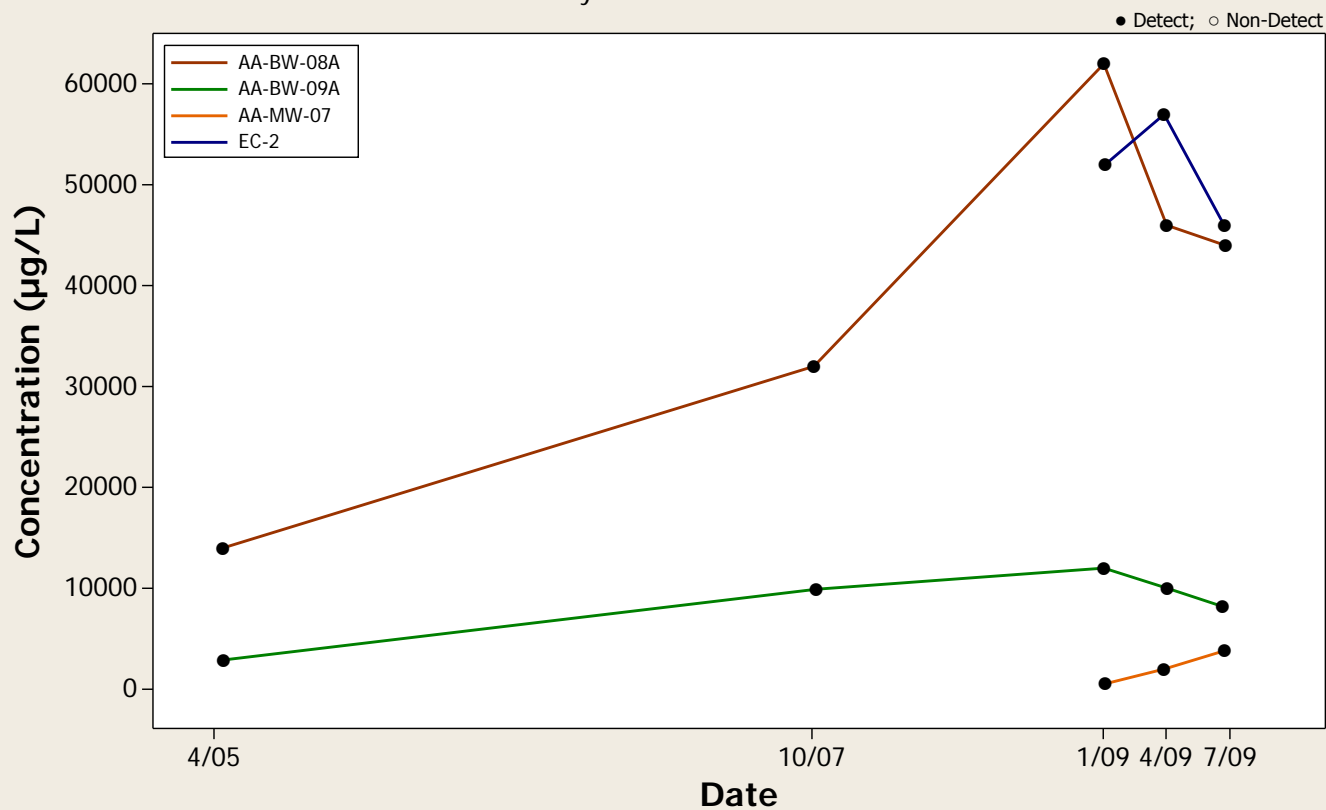
## Concentration Trend Graph - All Wells

Analyte = Chlorobenzene



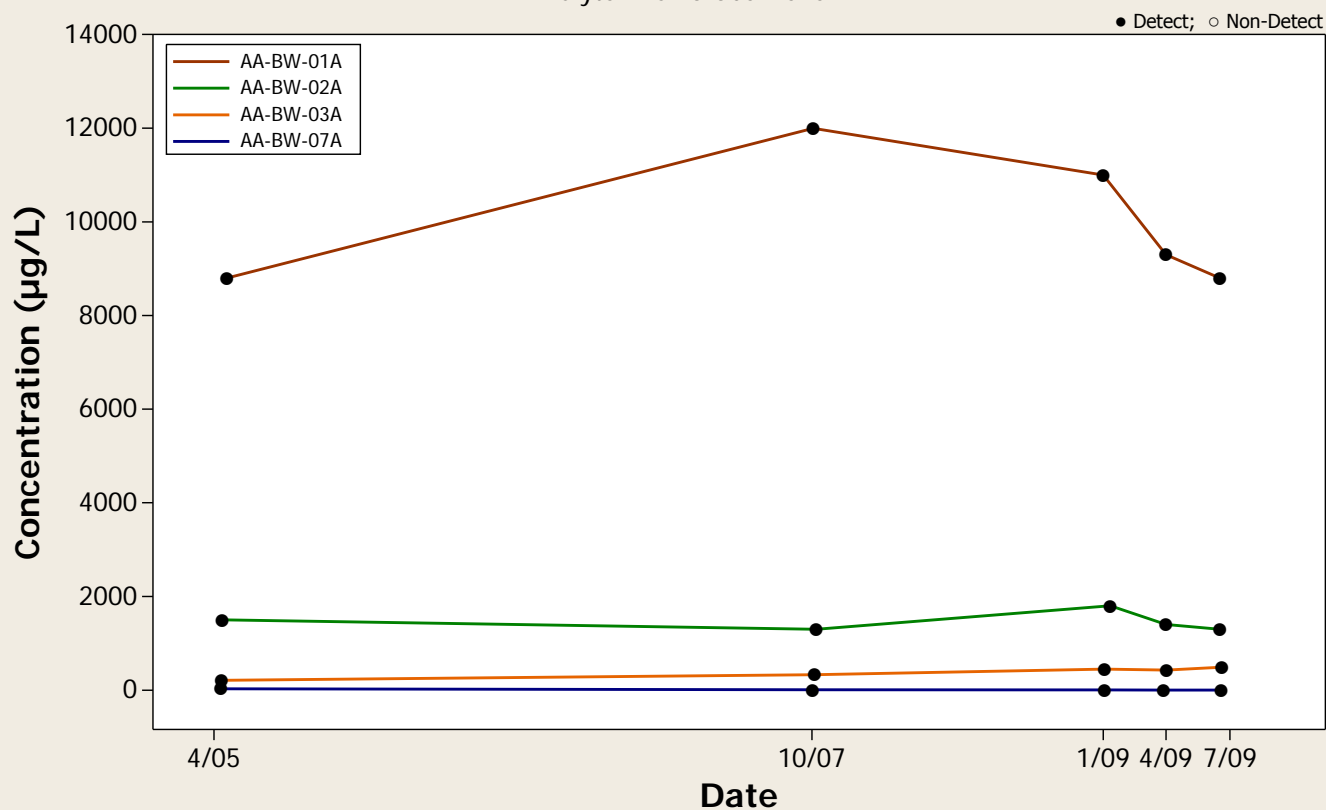
## Concentration Trend Graph - Upgradient Wells

Analyte = Chlorobenzene



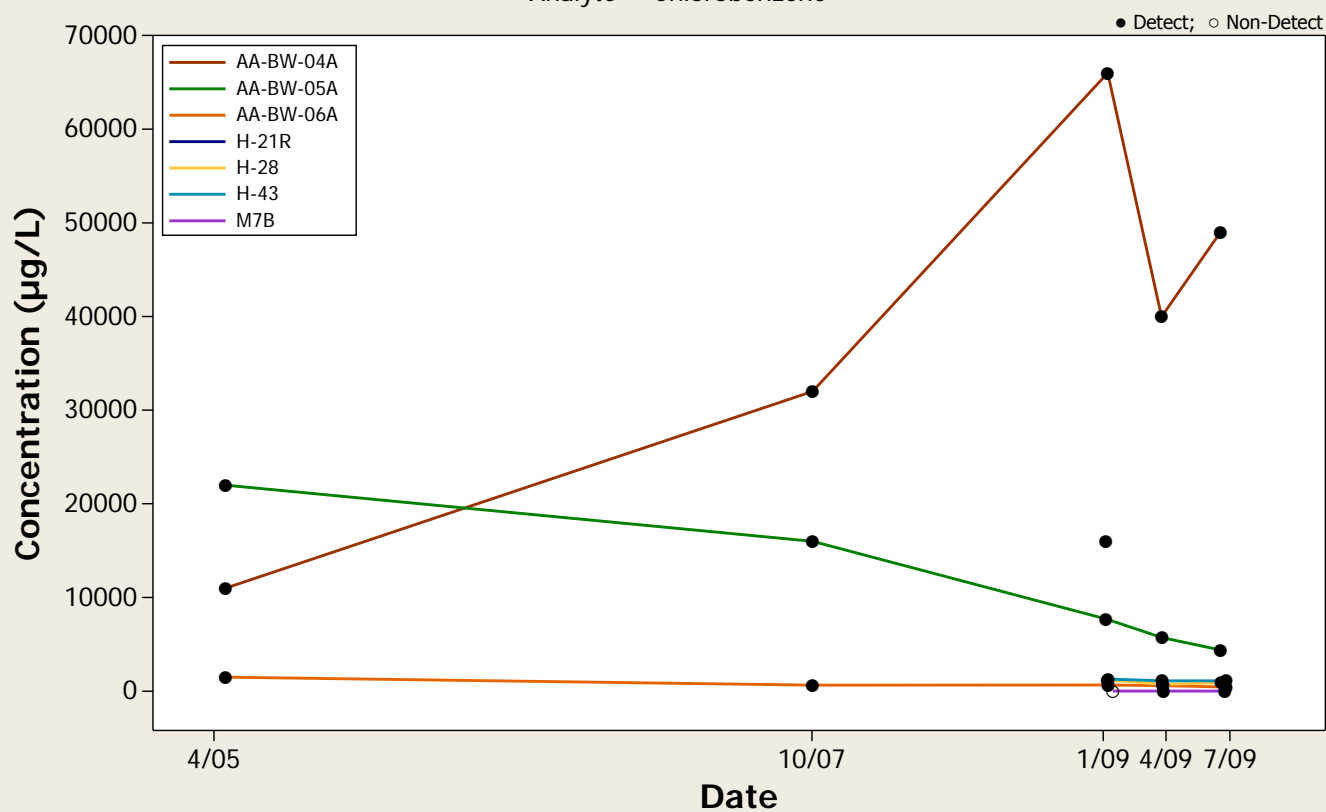
## Concentration Trend Graph - Crossgradient Wells

Analyte = Chlorobenzene



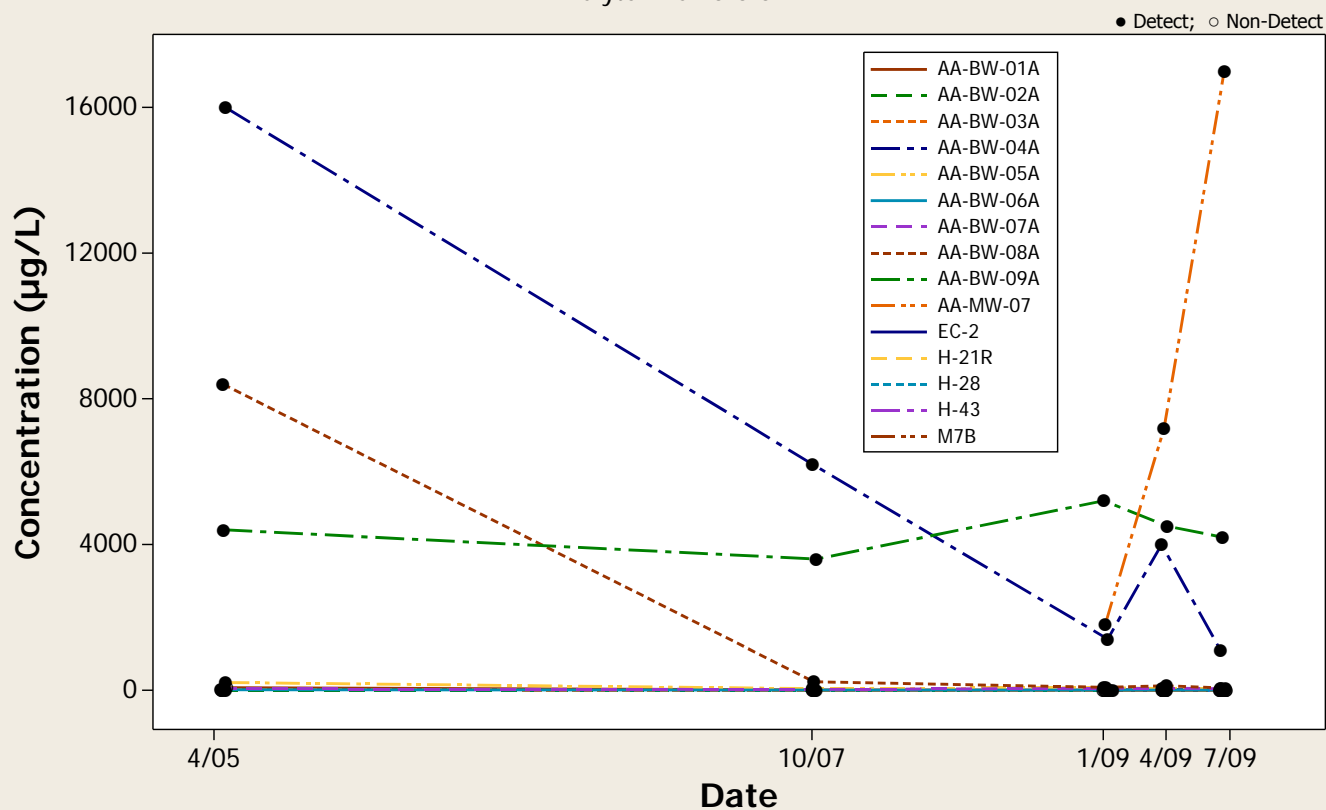
## Concentration Trend Graph - Downgradient Wells

Analyte = Chlorobenzene



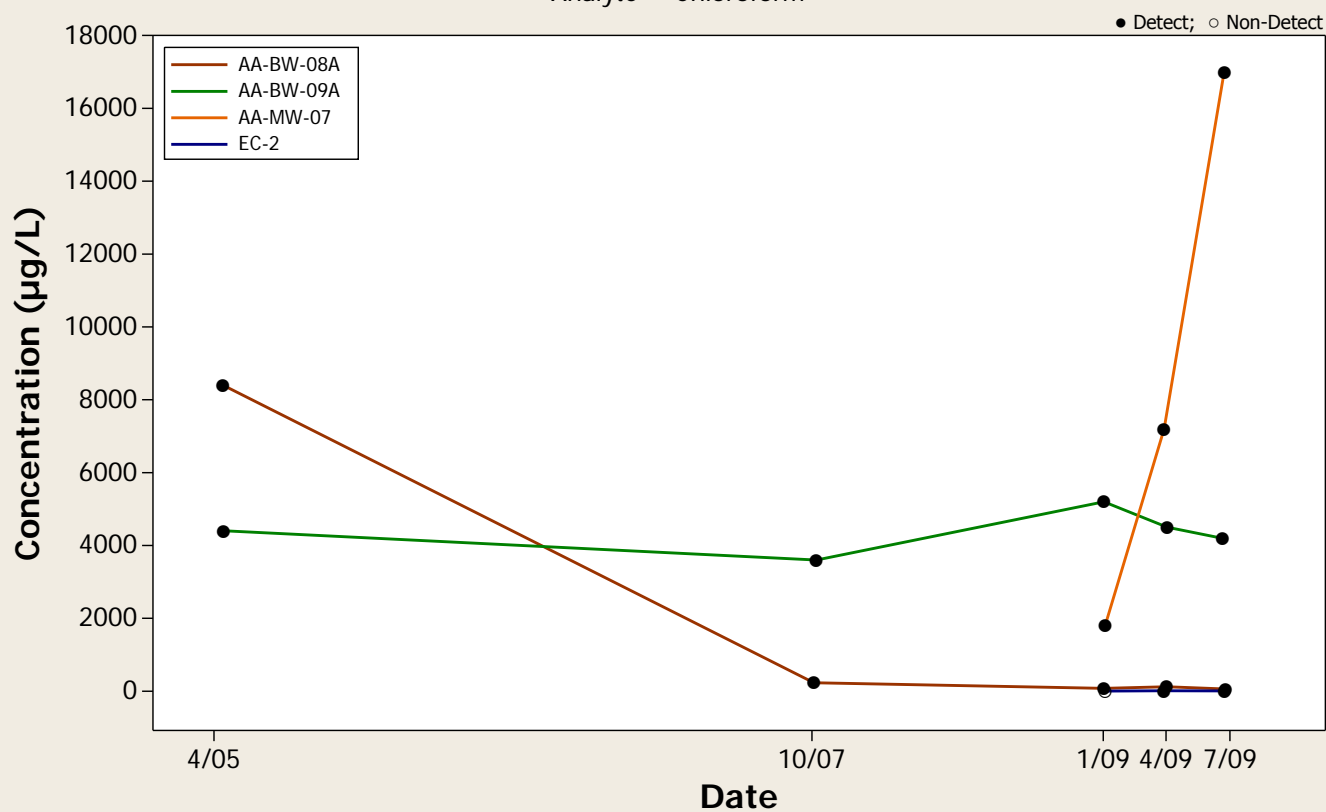
## Concentration Trend Graph - All Wells

Analyte = Chloroform



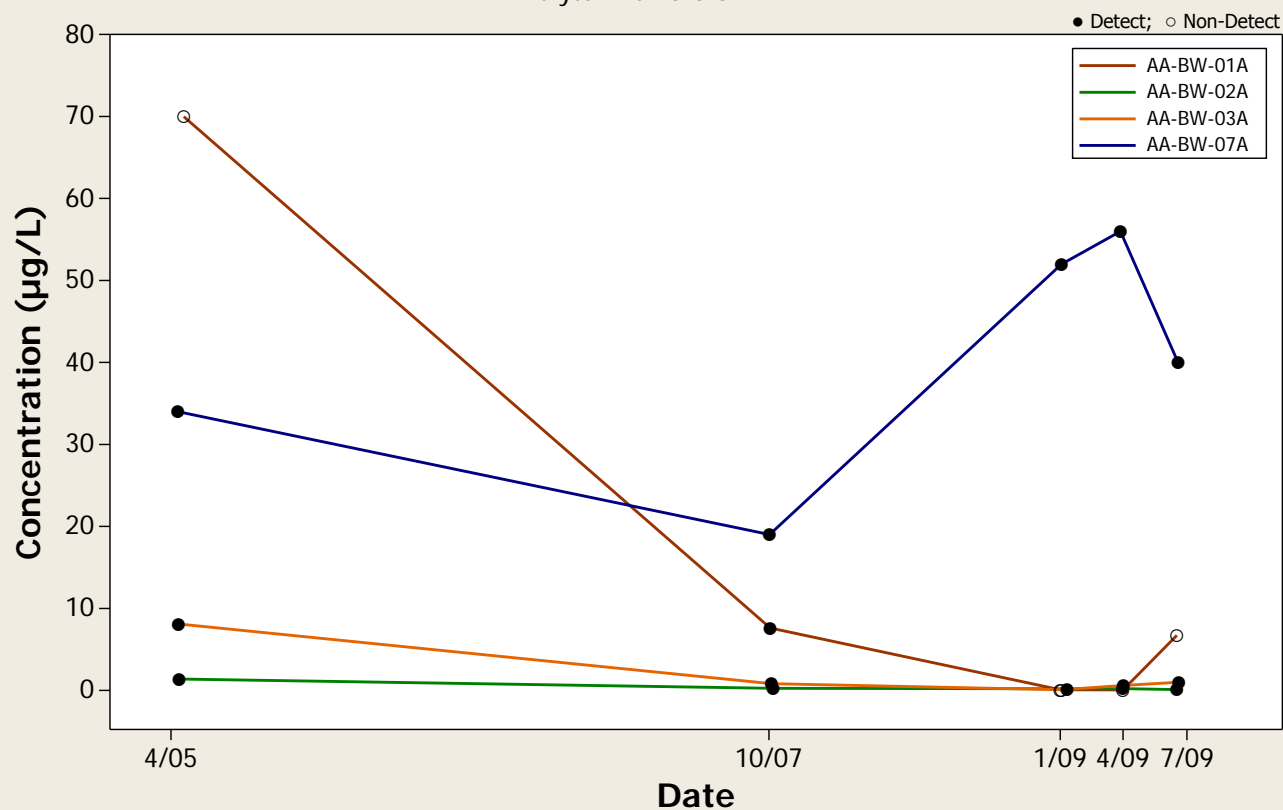
## Concentration Trend Graph - Upgradient Wells

Analyte = Chloroform



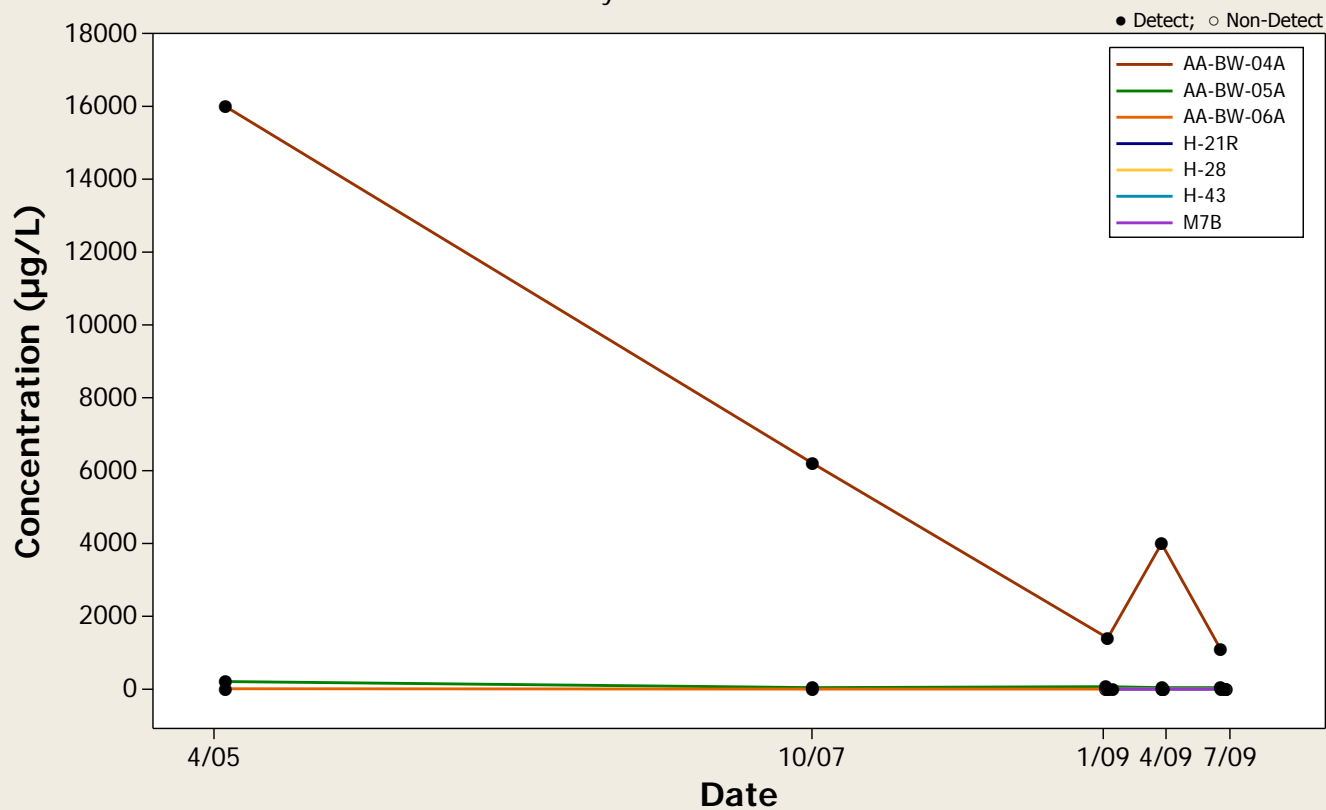
## Concentration Trend Graph - Crossgradient Wells

Analyte = Chloroform



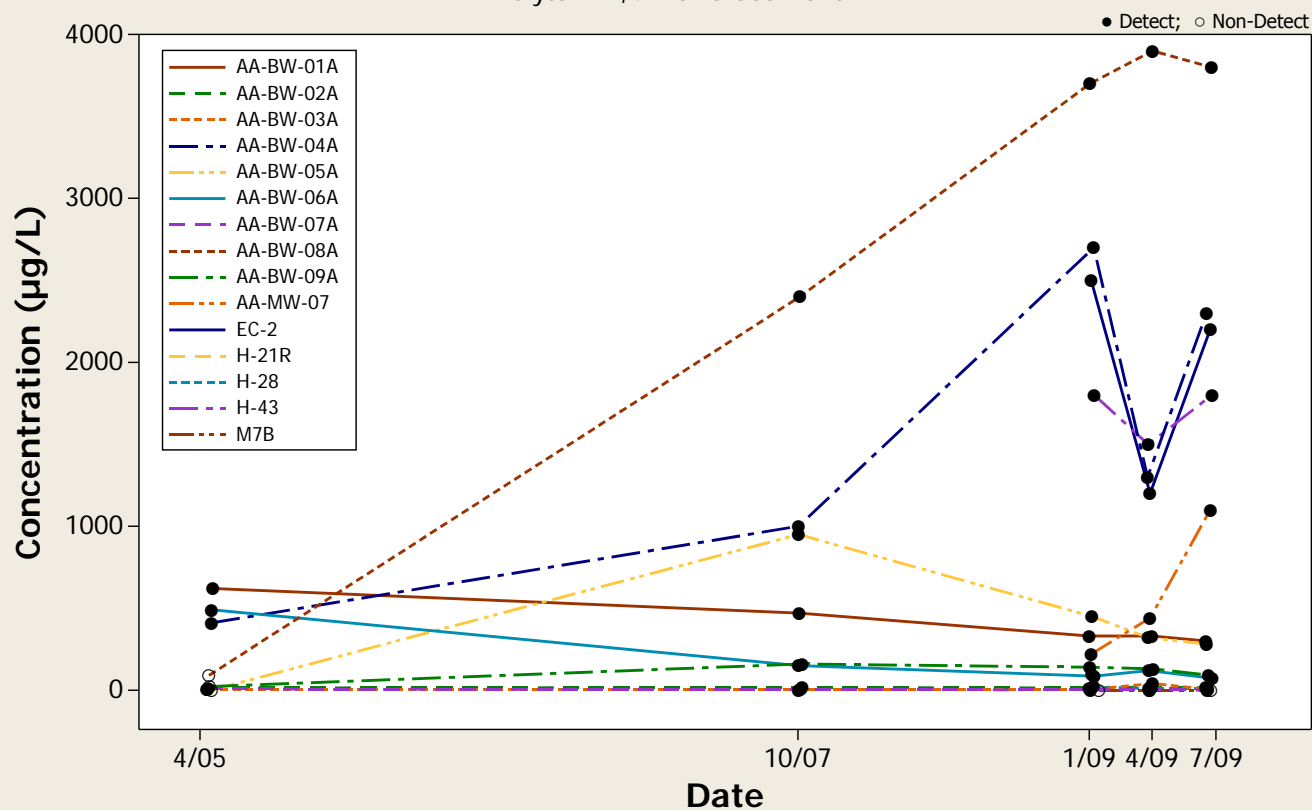
## Concentration Trend Graph - Downgradient Wells

Analyte = Chloroform



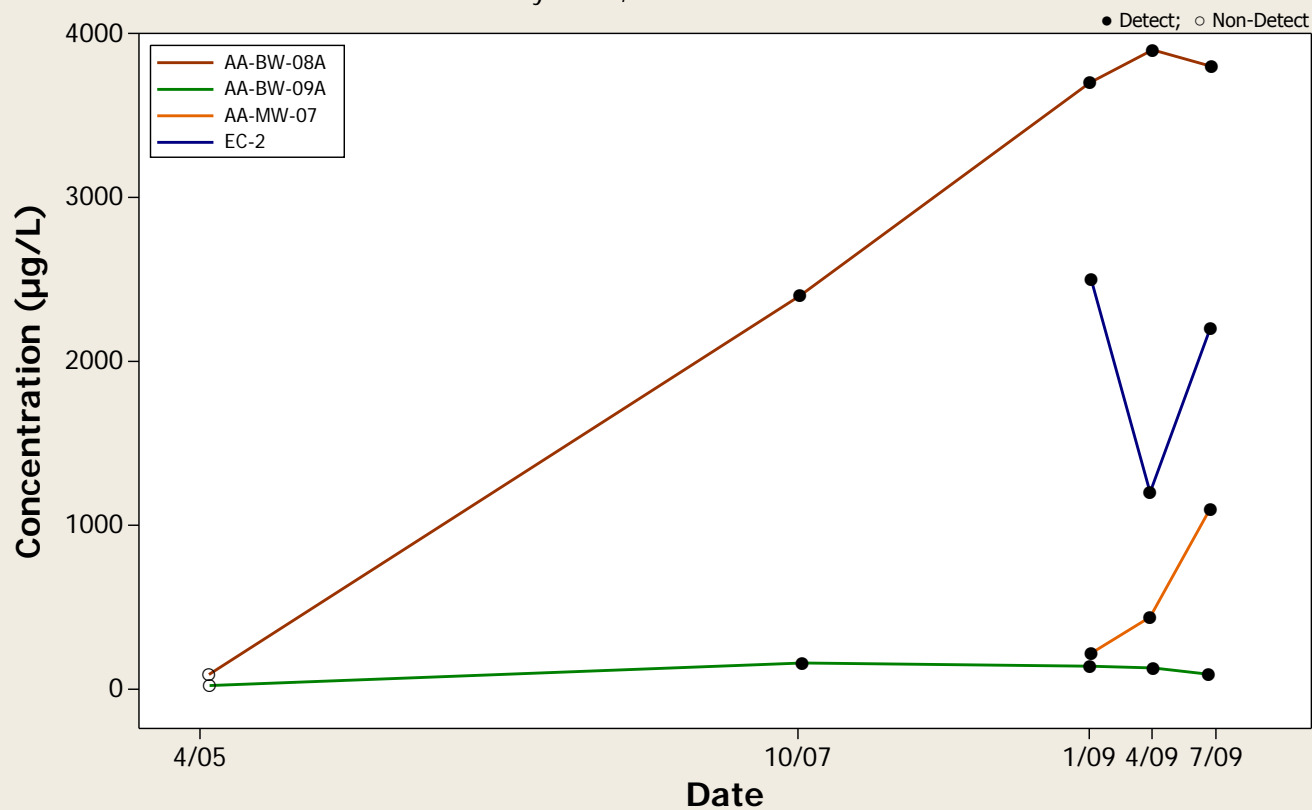
## Concentration Trend Graph - All Wells

Analyte = 1,4-Dichlorobenzene



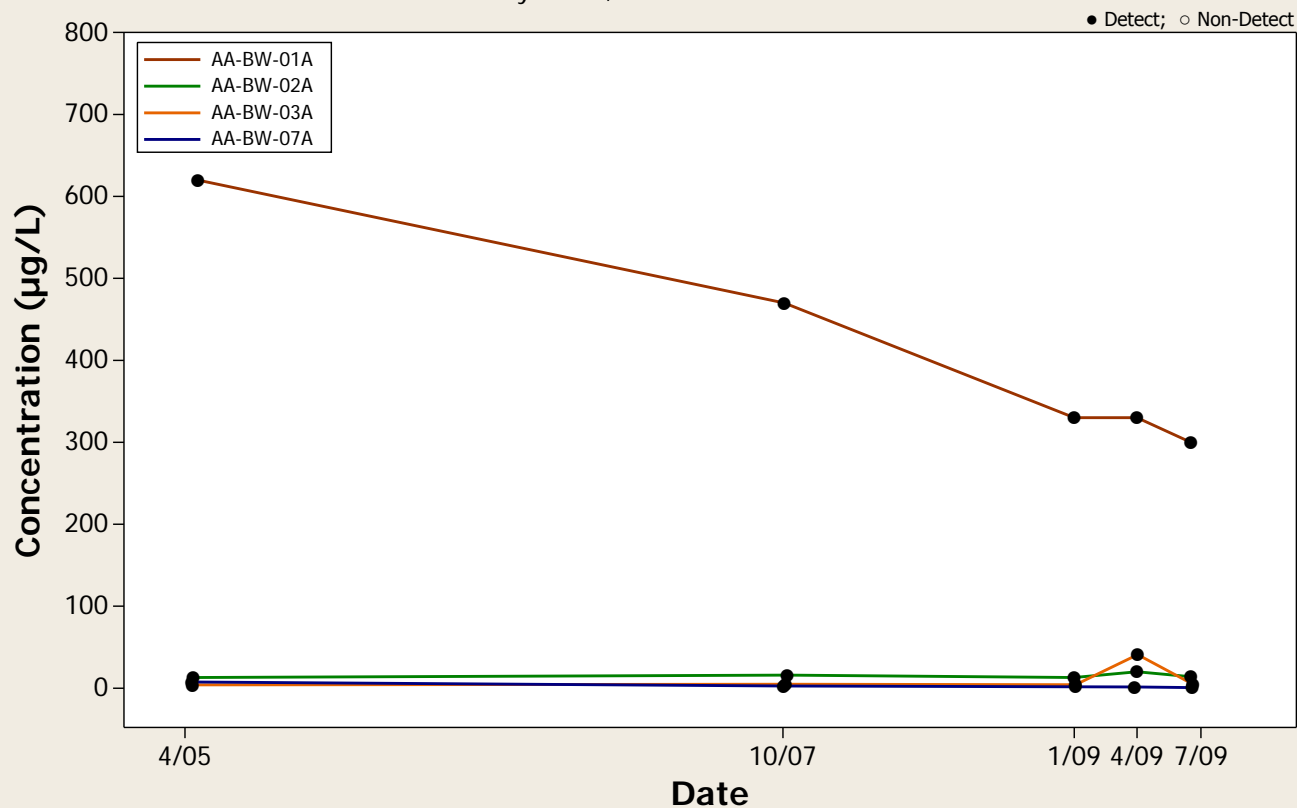
## Concentration Trend Graph - Upgradient Wells

Analyte = 1,4-Dichlorobenzene



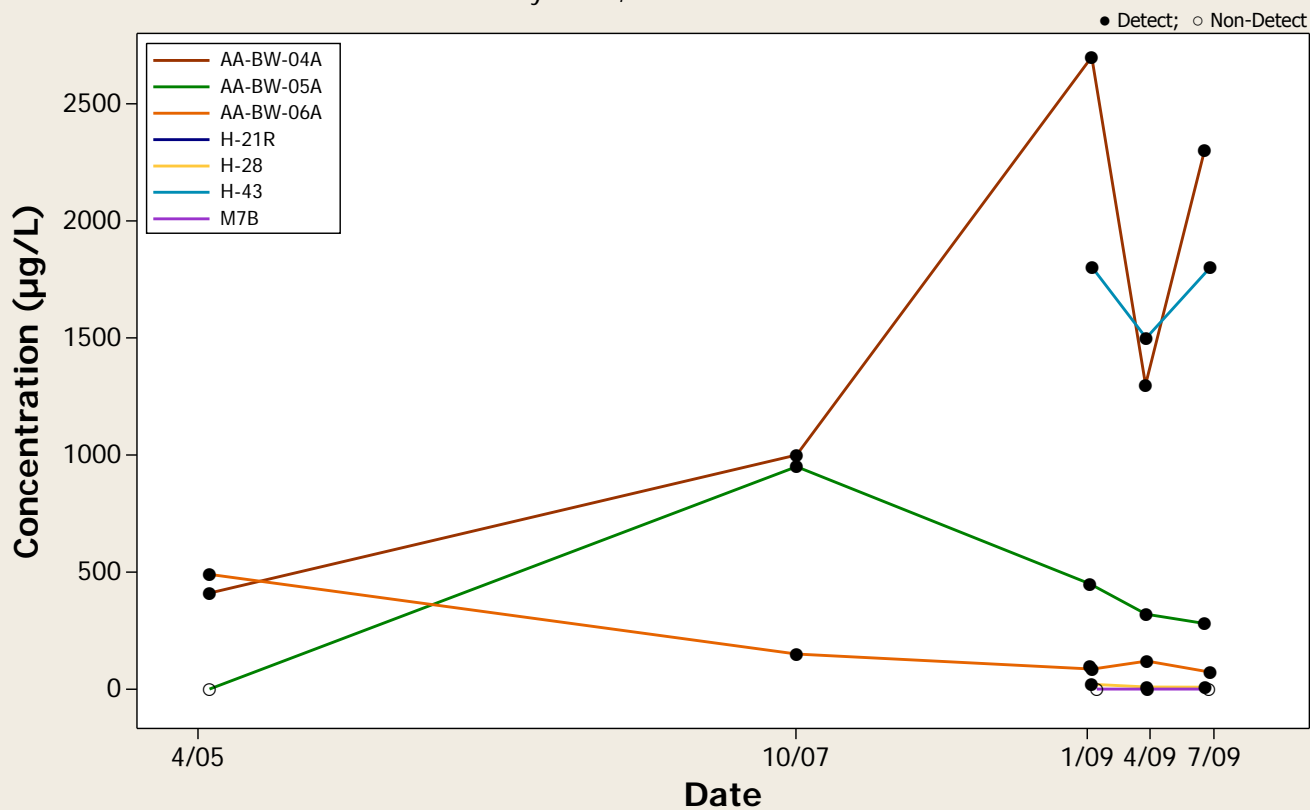
## Concentration Trend Graph - Crossgradient Wells

Analyte = 1,4-Dichlorobenzene



## Concentration Trend Graph - Downgradient Wells

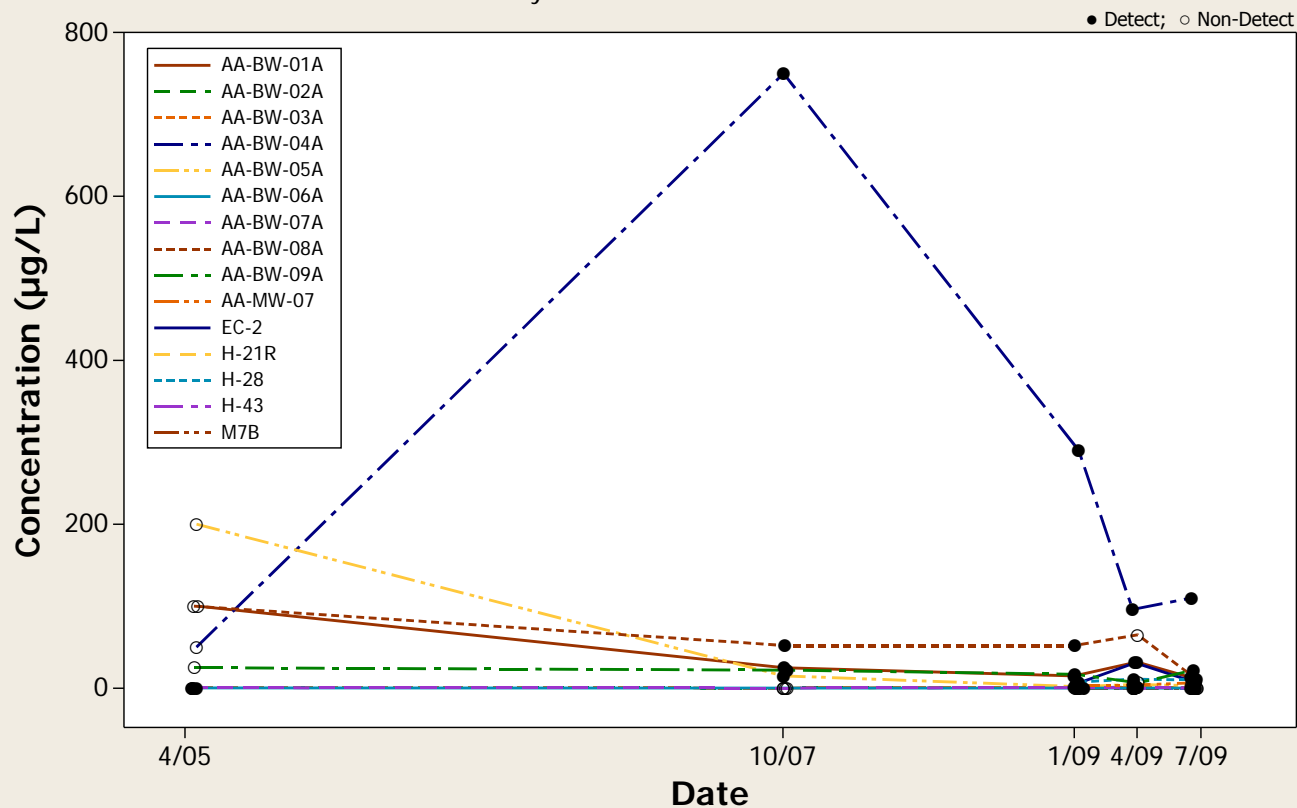
Analyte = 1,4-Dichlorobenzene





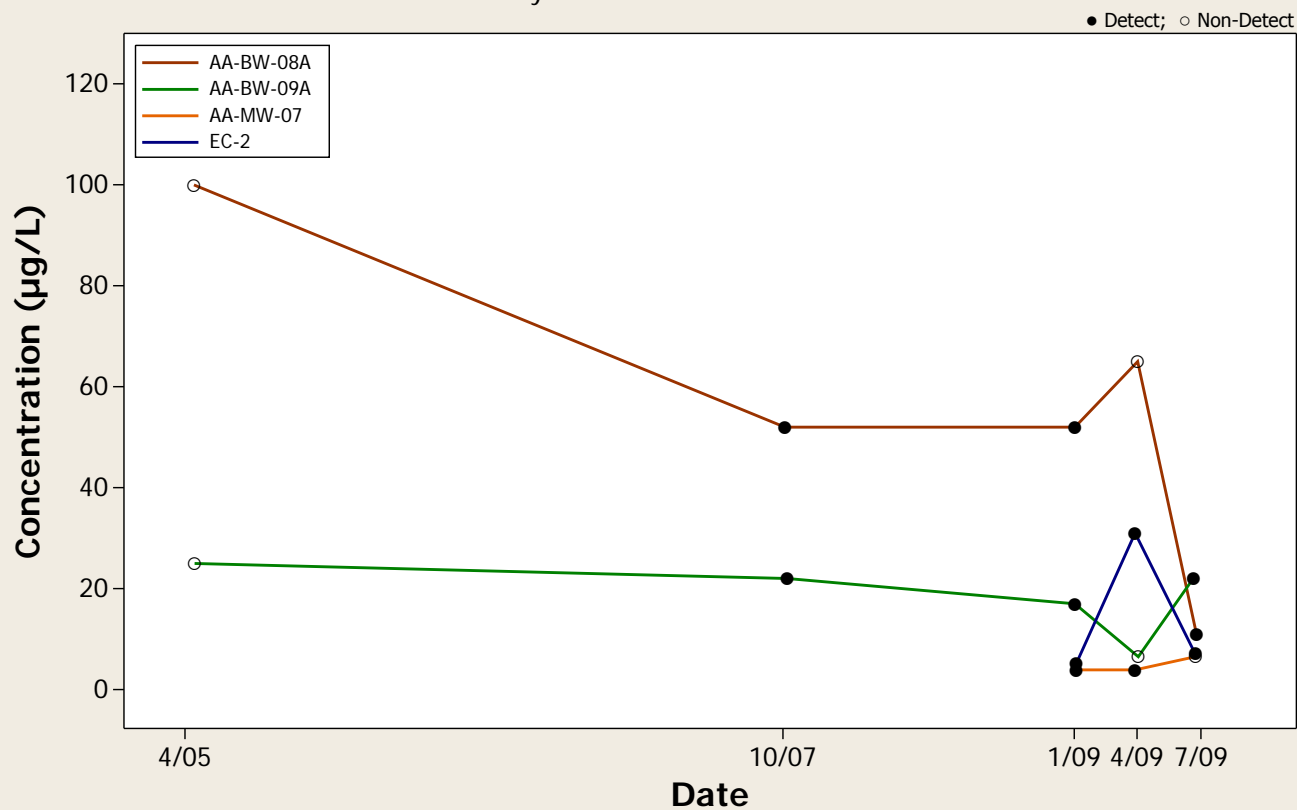
## Concentration Trend Graph - All Wells

Analyte = Tetrachloroethene

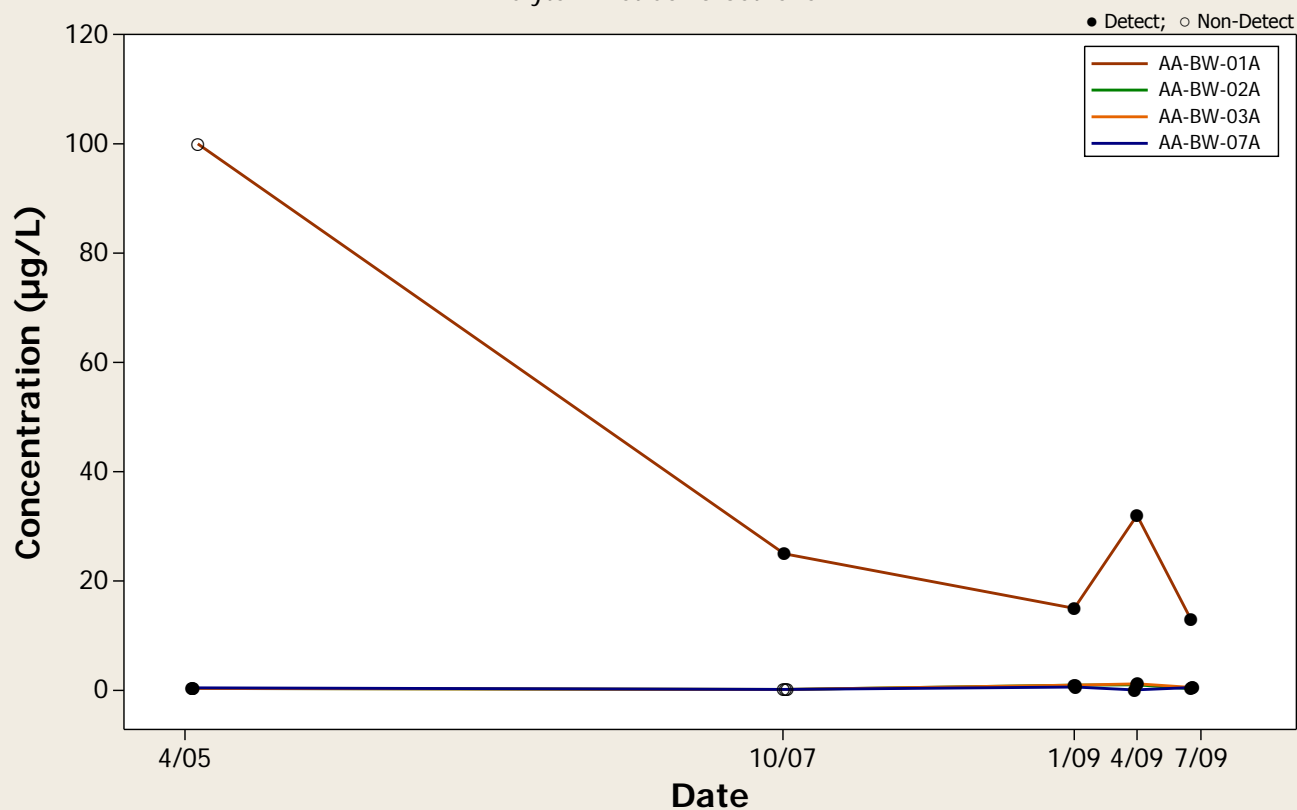


## Concentration Trend Graph - Upgradient Wells

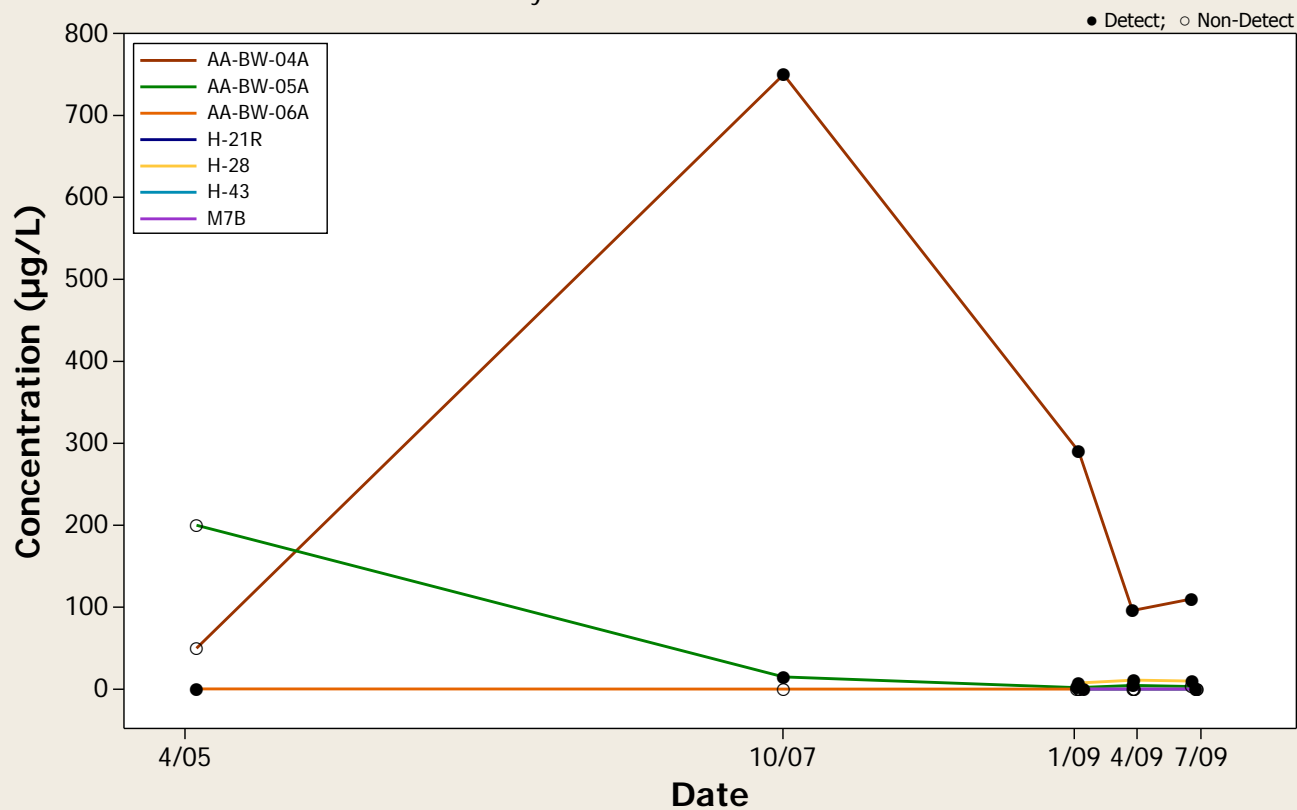
Analyte = Tetrachloroethene



Analyte = Tetrachloroethene

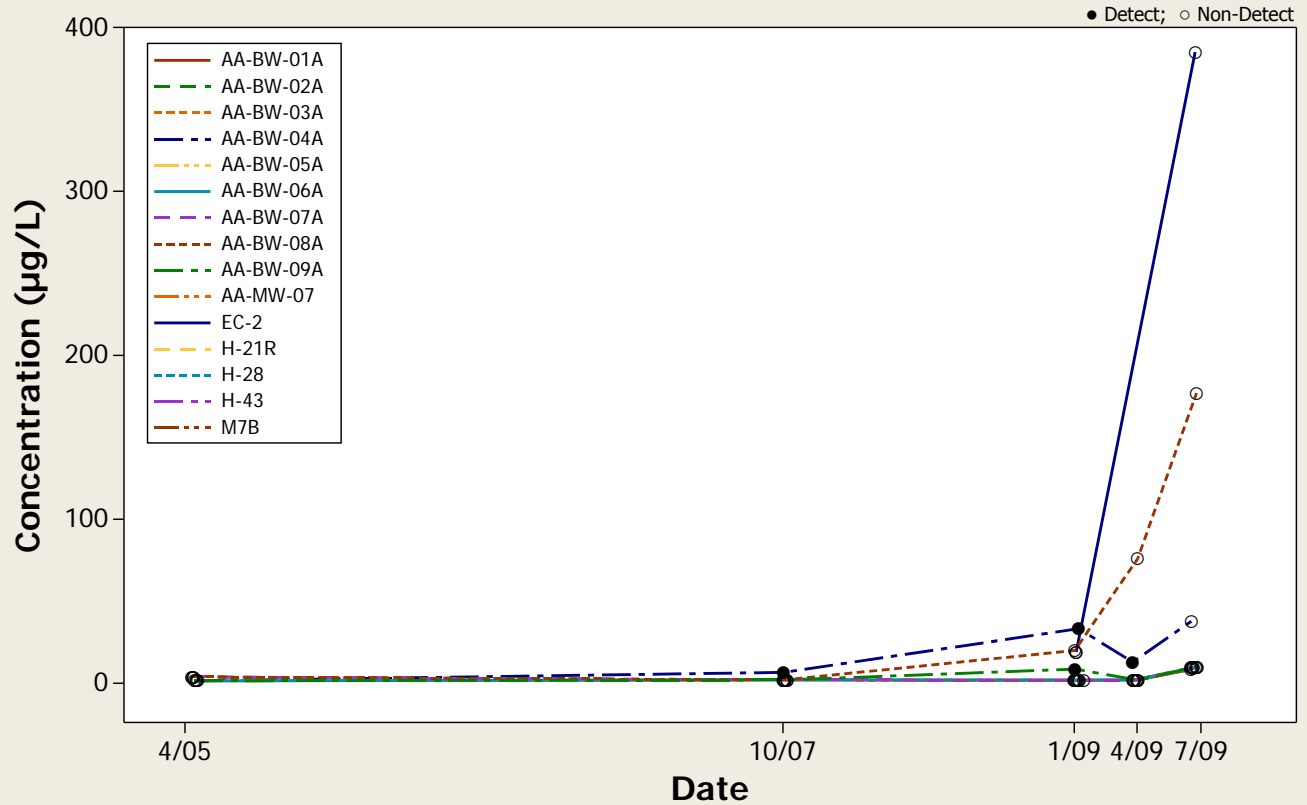


Analyte = Tetrachloroethene



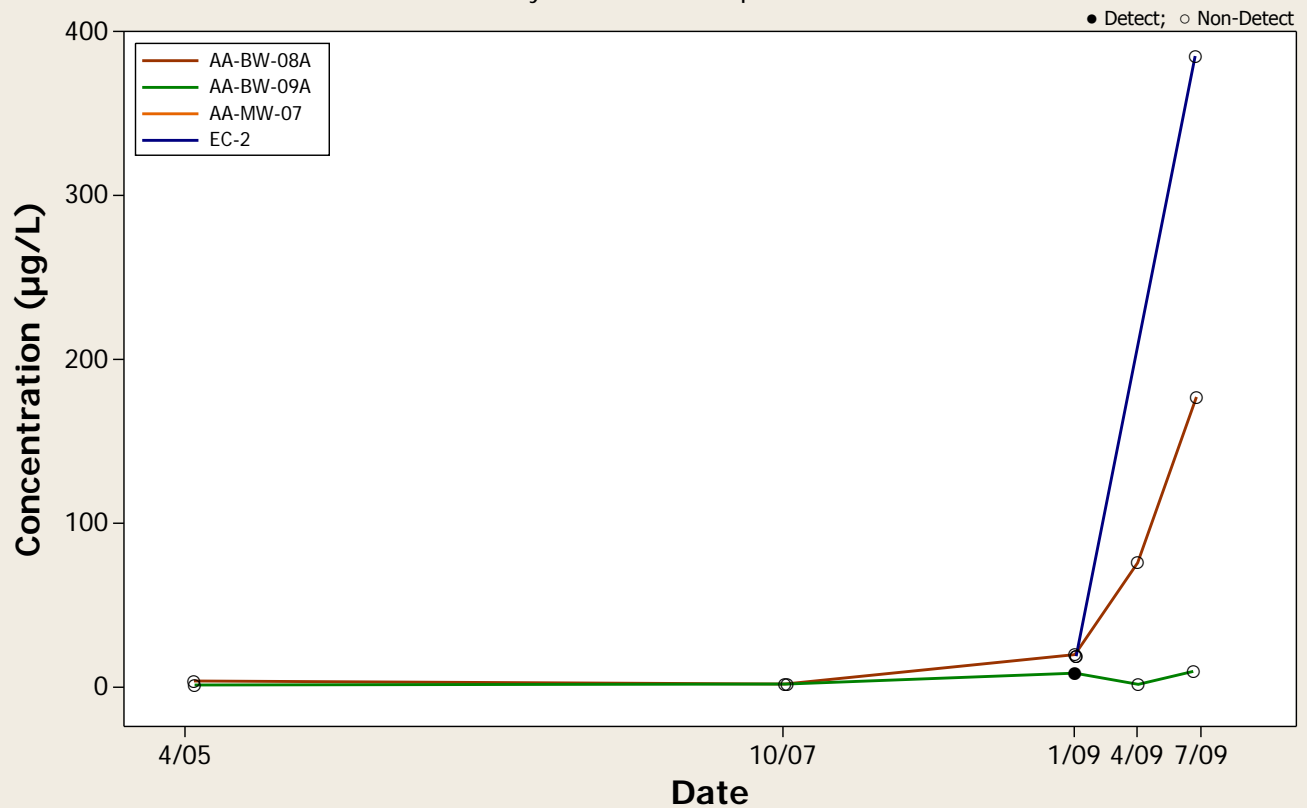
## Concentration Trend Graph - All Wells

Analyte = Pentachlorophenol



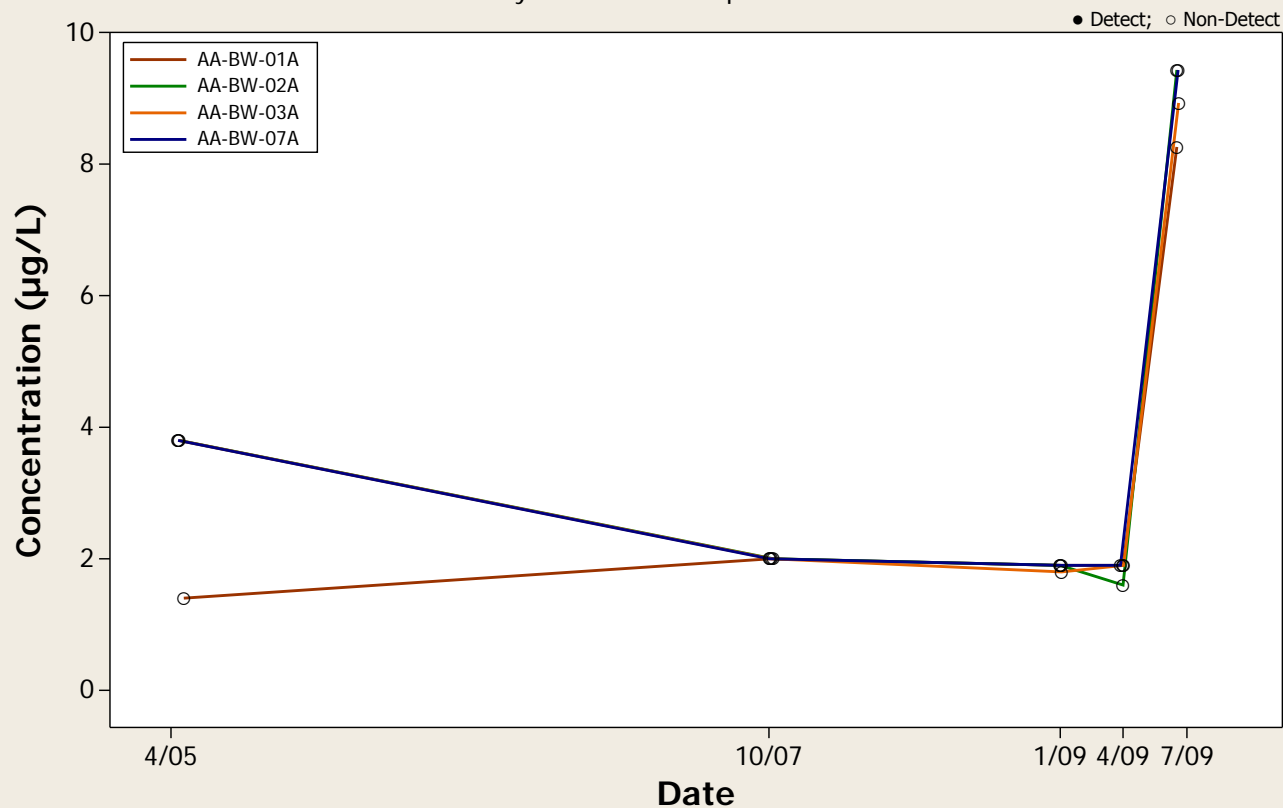
## Concentration Trend Graph - Upgradient Wells

Analyte = Pentachlorophenol



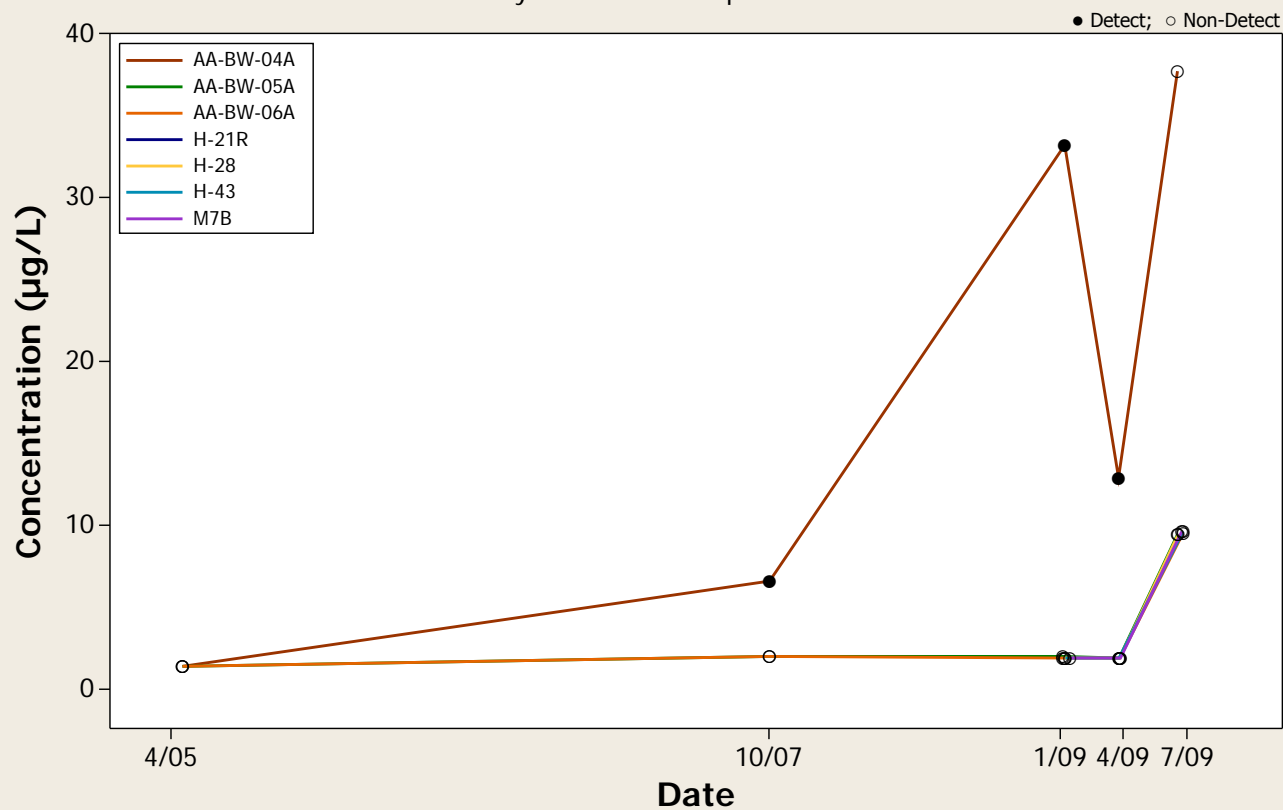
## Concentration Trend Graph - Crossgradient Wells

Analyte = Pentachlorophenol



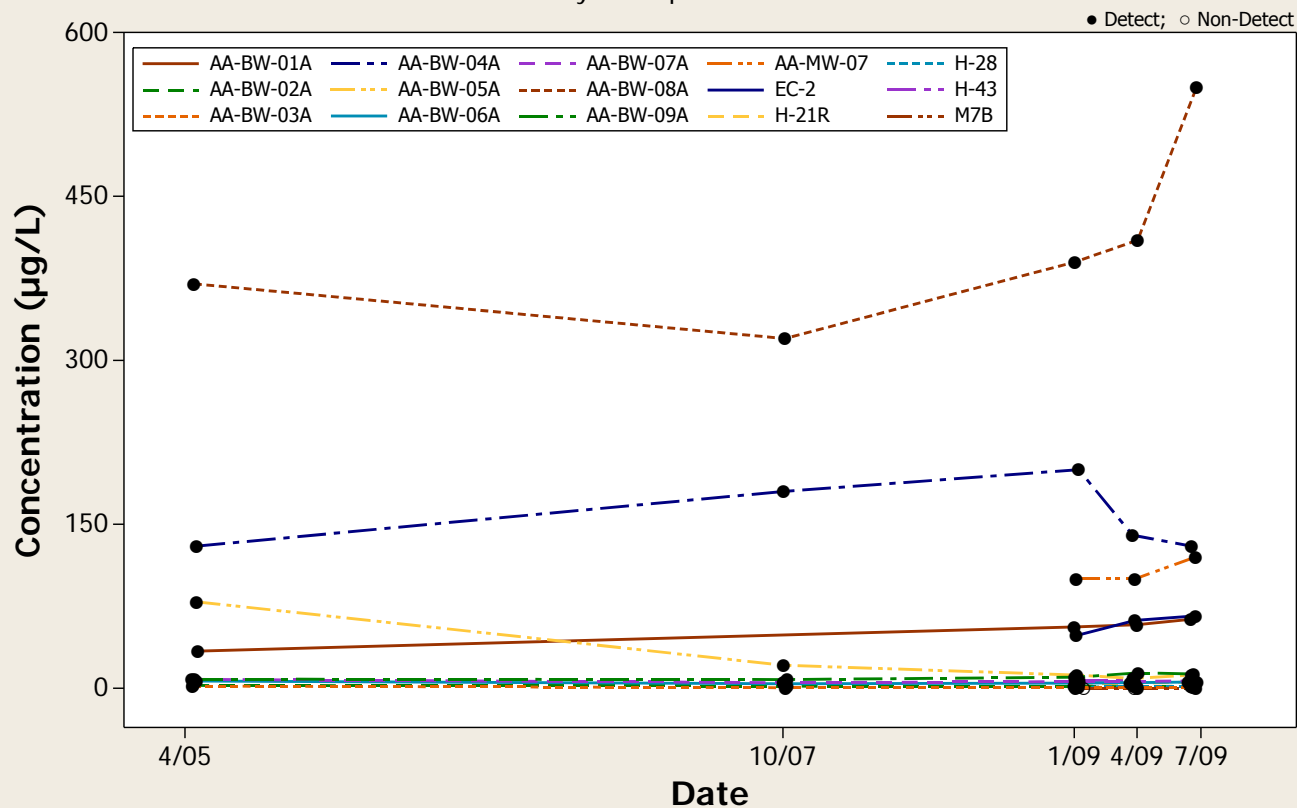
## Concentration Trend Graph - Downgradient Wells

Analyte = Pentachlorophenol



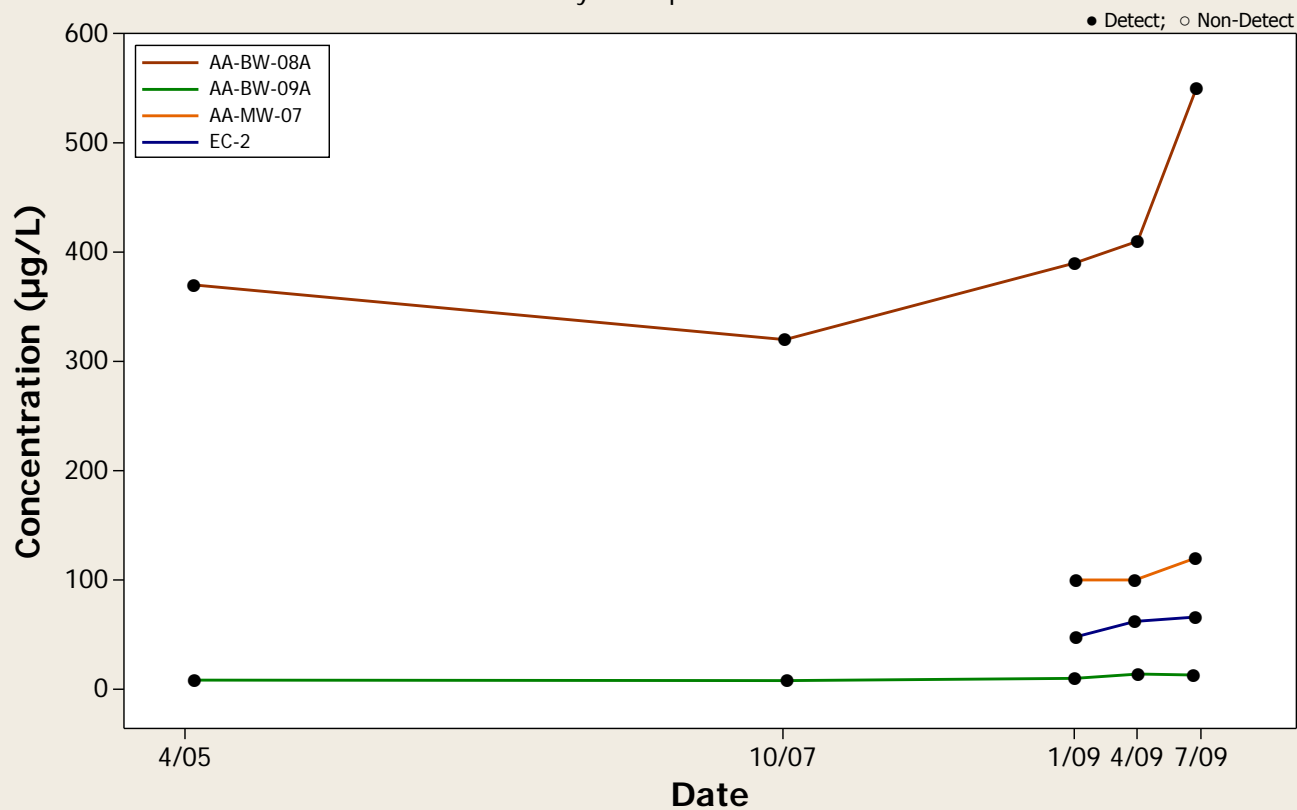
## Concentration Trend Graph - All Wells

Analyte = alpha-BHC



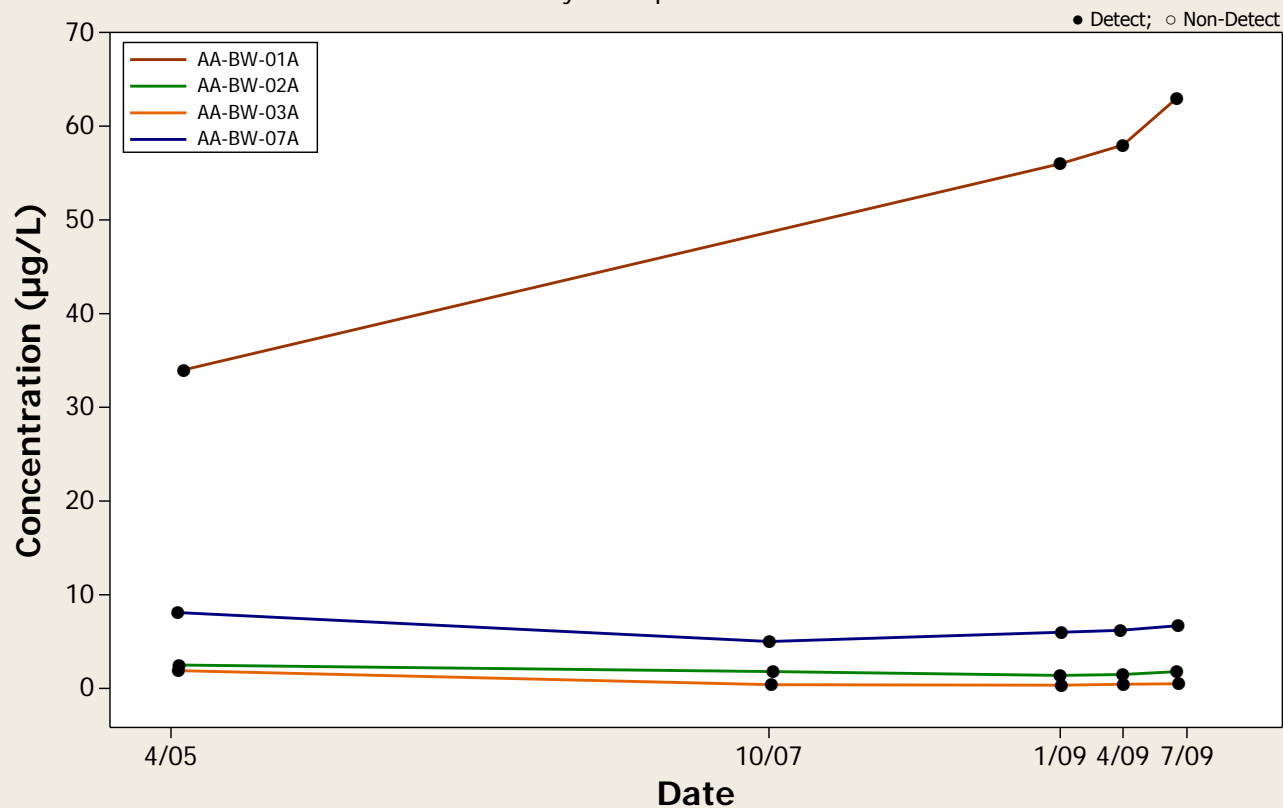
## Concentration Trend Graph - Upgradient Wells

Analyte = alpha-BHC



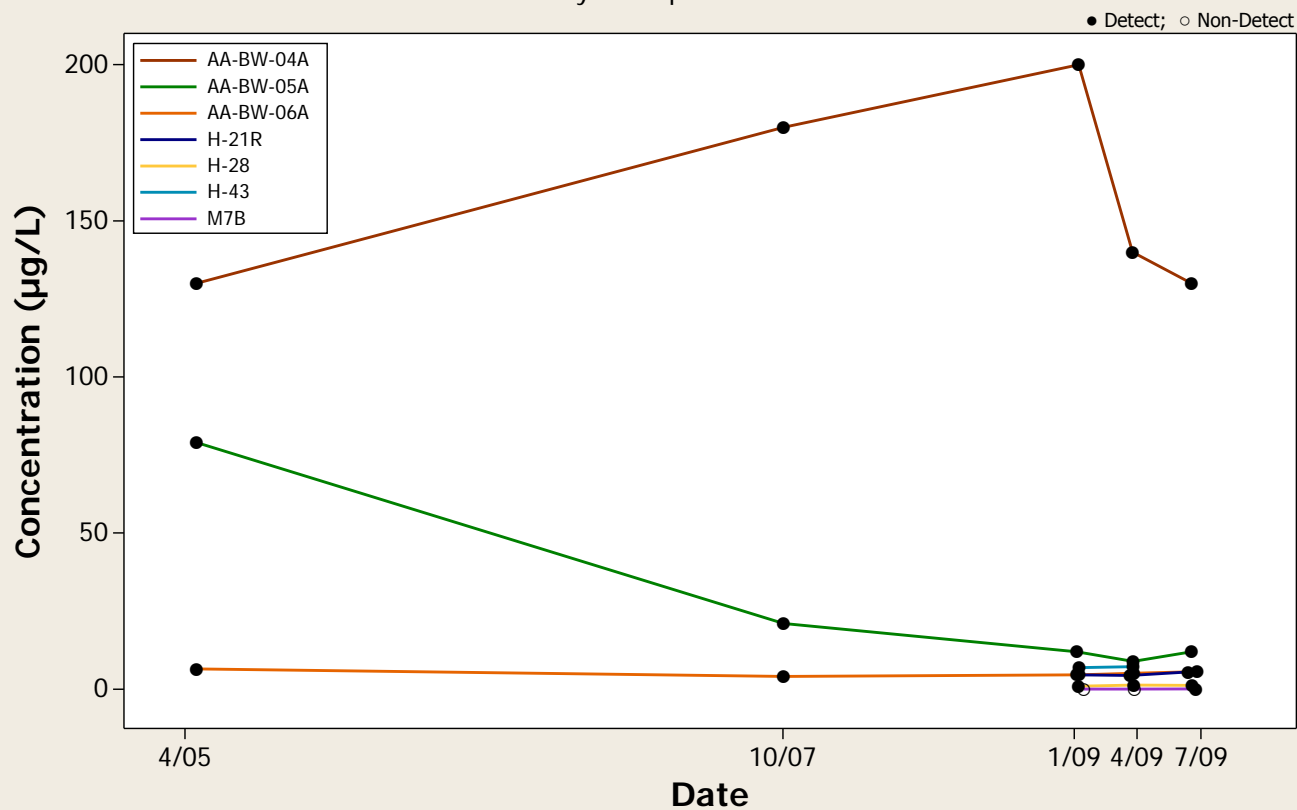
## Concentration Trend Graph - Crossgradient Wells

Analyte = alpha-BHC



## Concentration Trend Graph - Downgradient Wells

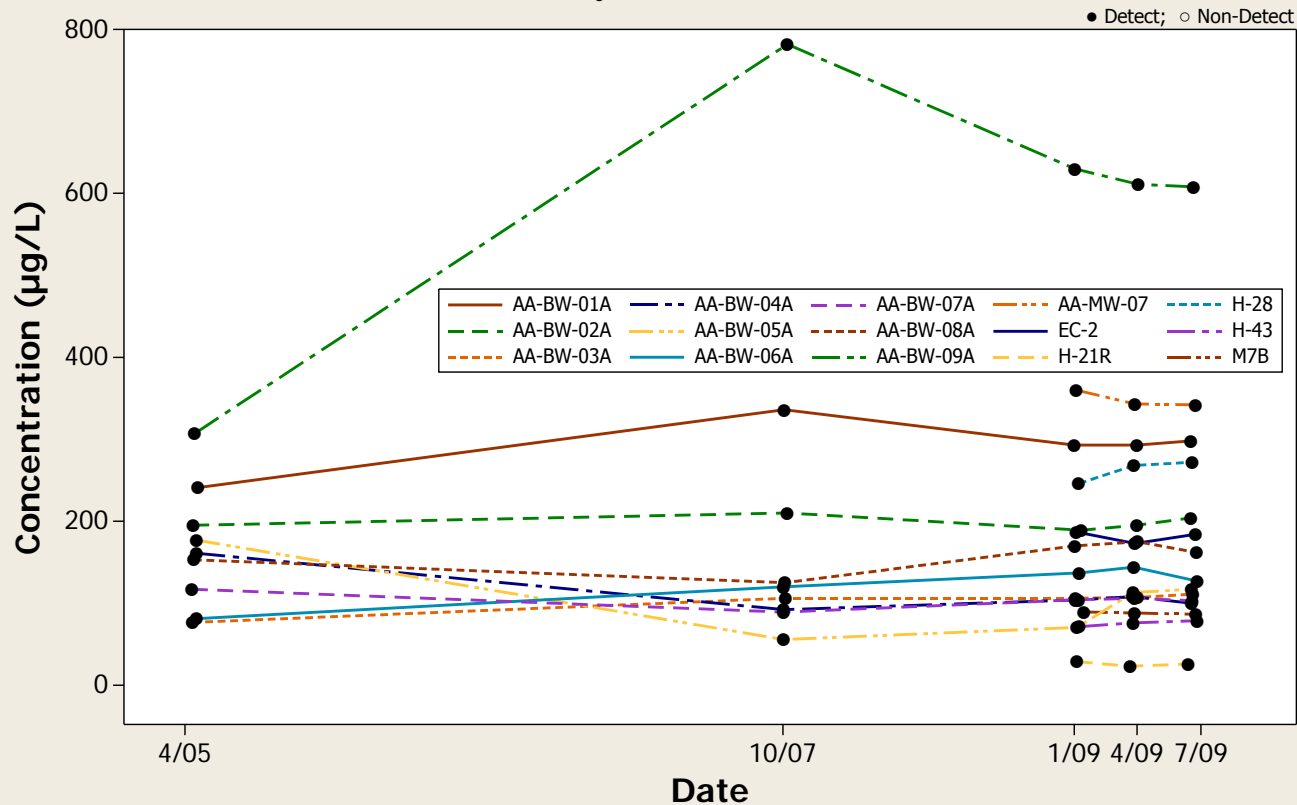
Analyte = alpha-BHC





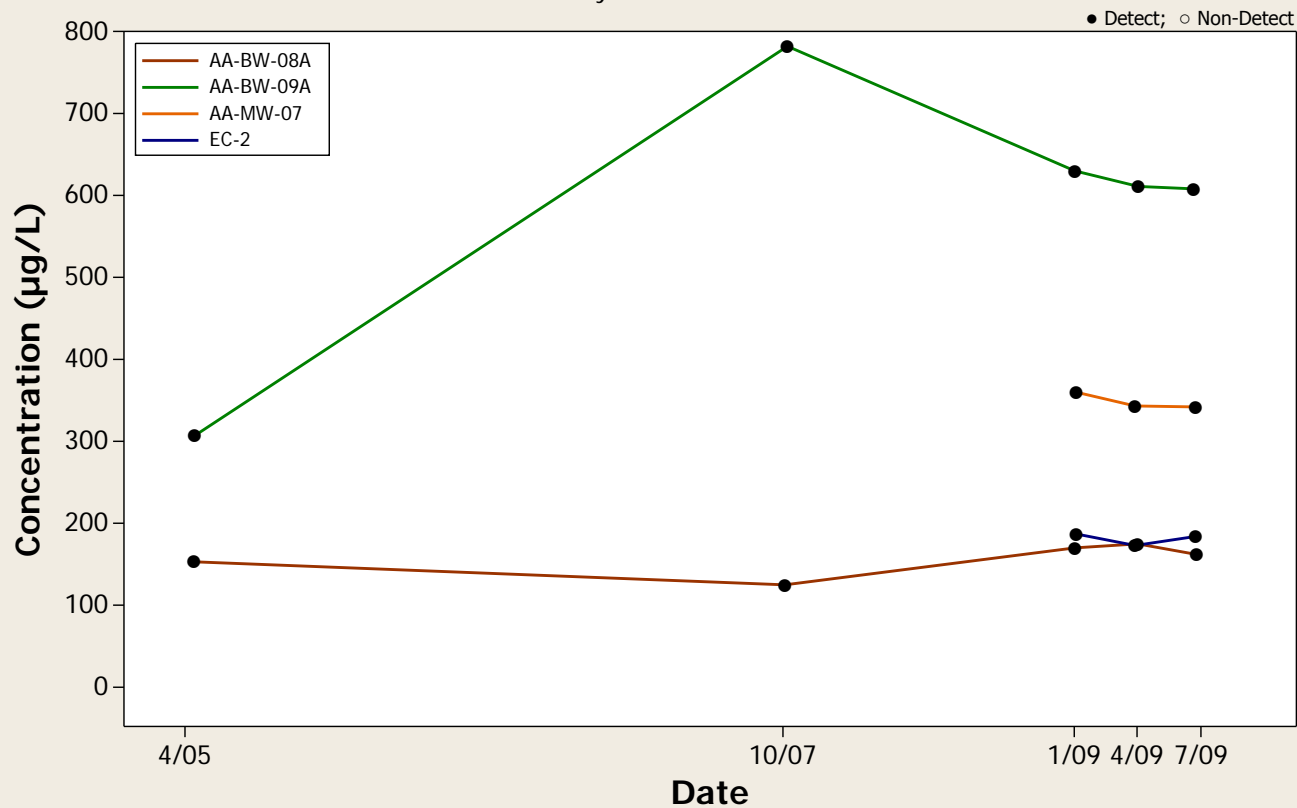
## Concentration Trend Graph - All Wells

Analyte = Arsenic



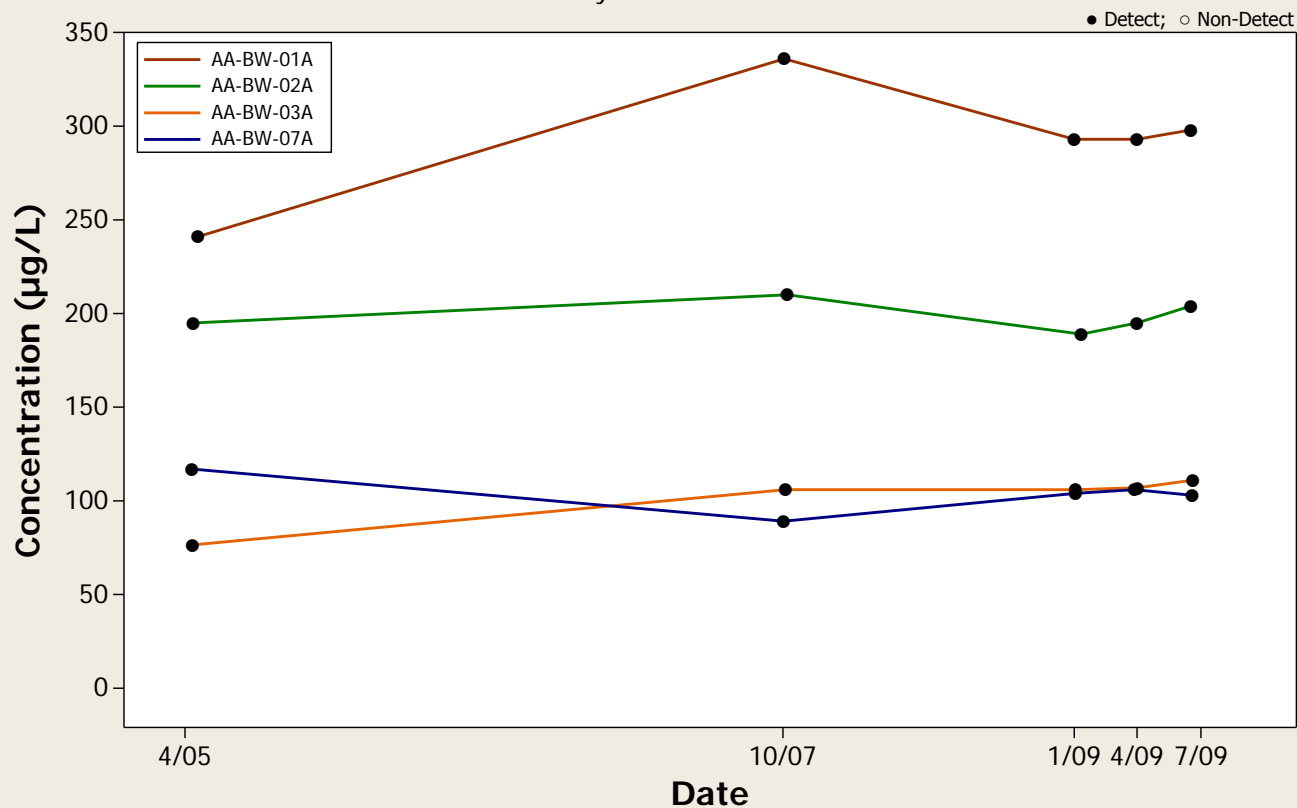
## Concentration Trend Graph - Upgradient Wells

Analyte = Arsenic



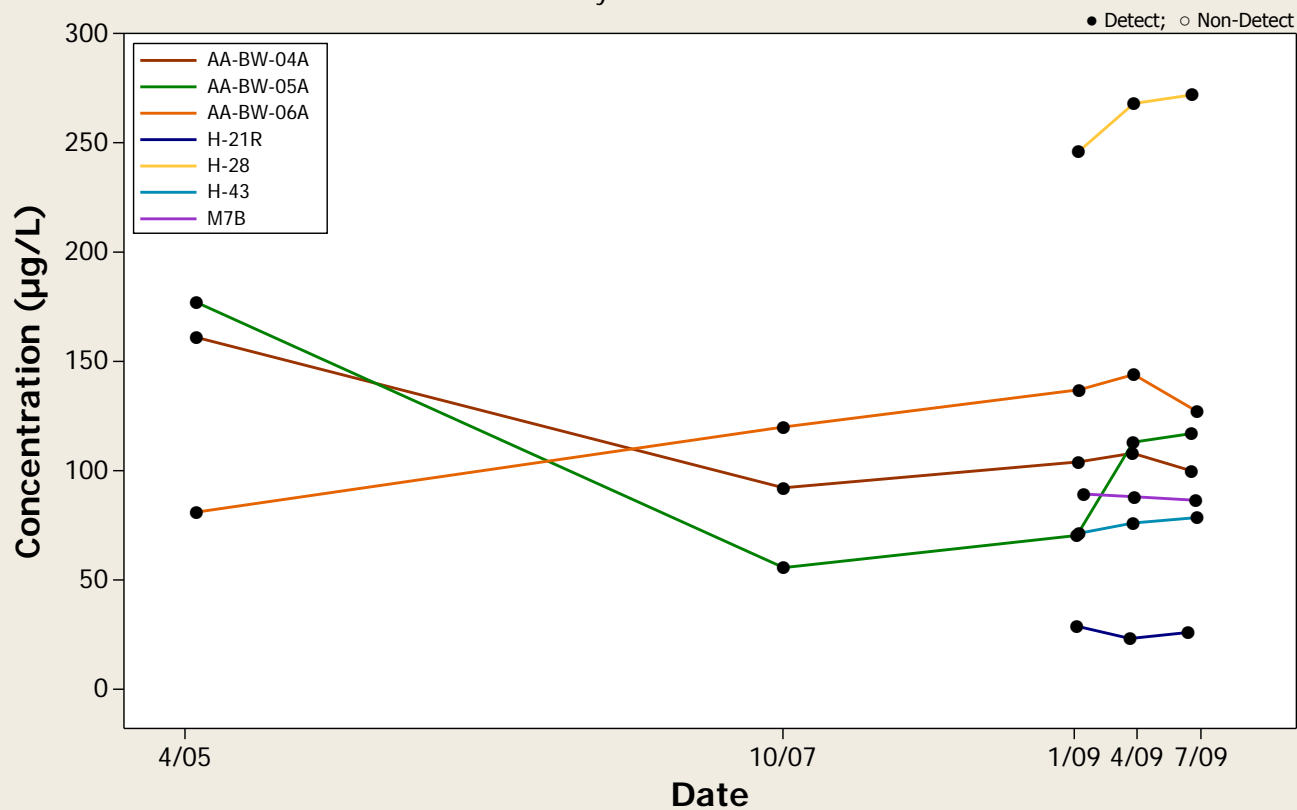
## Concentration Trend Graph - Crossgradient Wells

Analyte = Arsenic



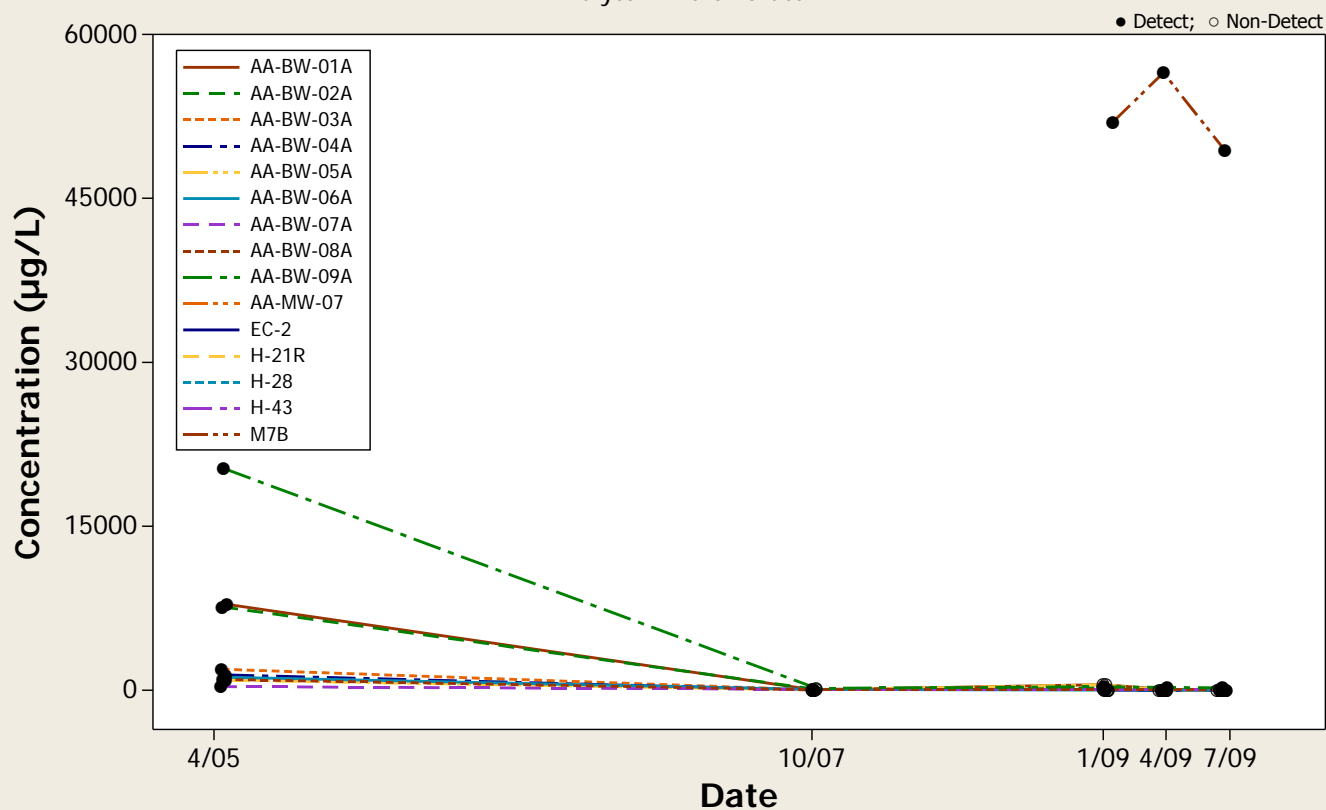
## Concentration Trend Graph - Downgradient Wells

Analyte = Arsenic



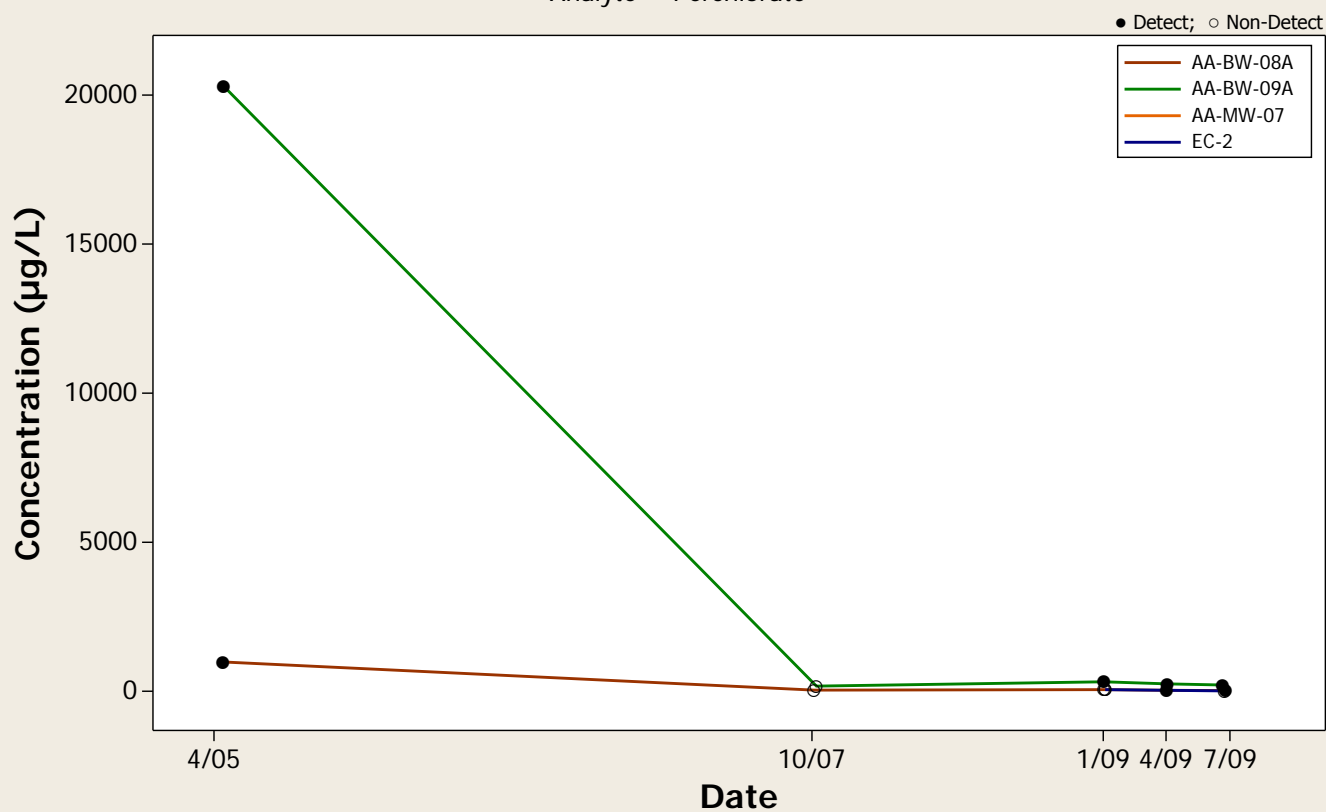
## Concentration Trend Graph - All Wells

Analyte = Perchlorate



## Concentration Trend Graph - Upgradient Wells

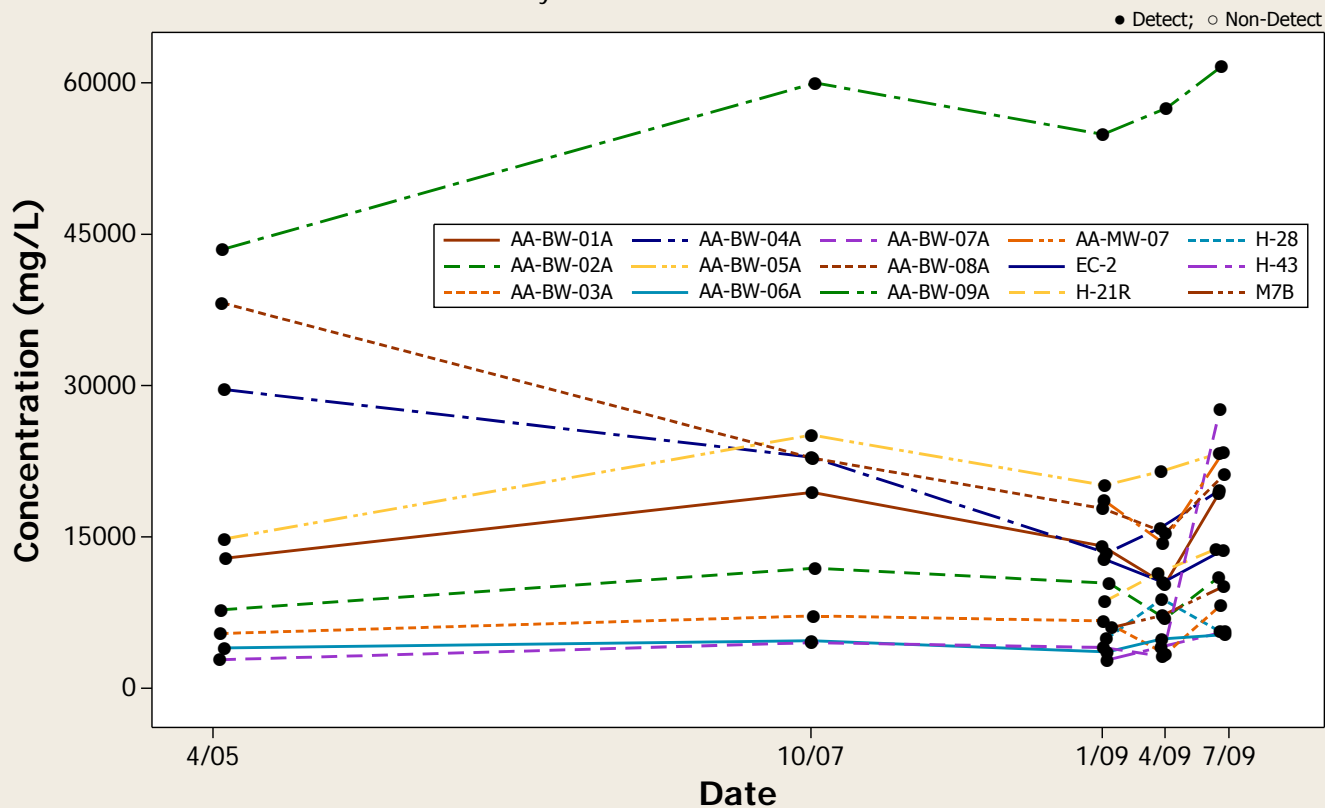
Analyte = Perchlorate





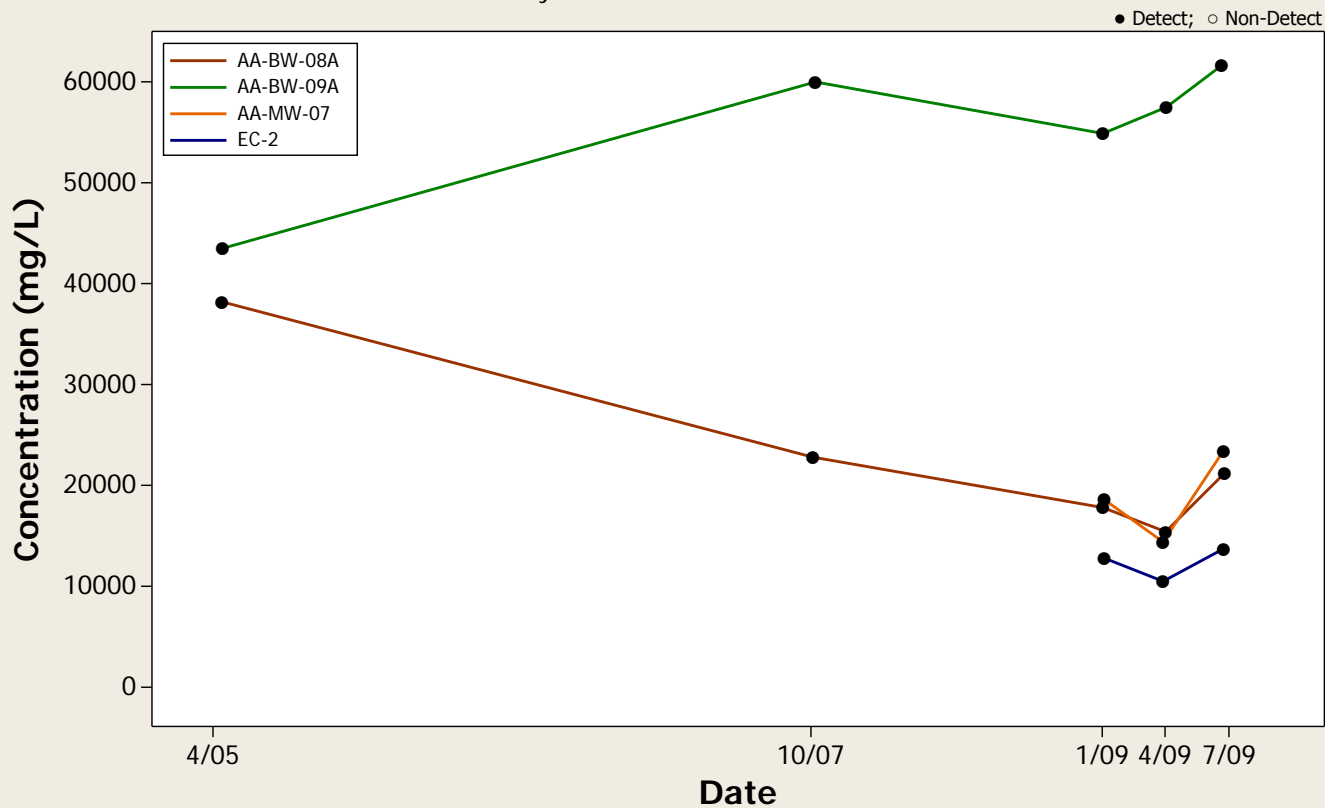
## Concentration Trend Graph - All Wells

Analyte = Total Dissolved Solids



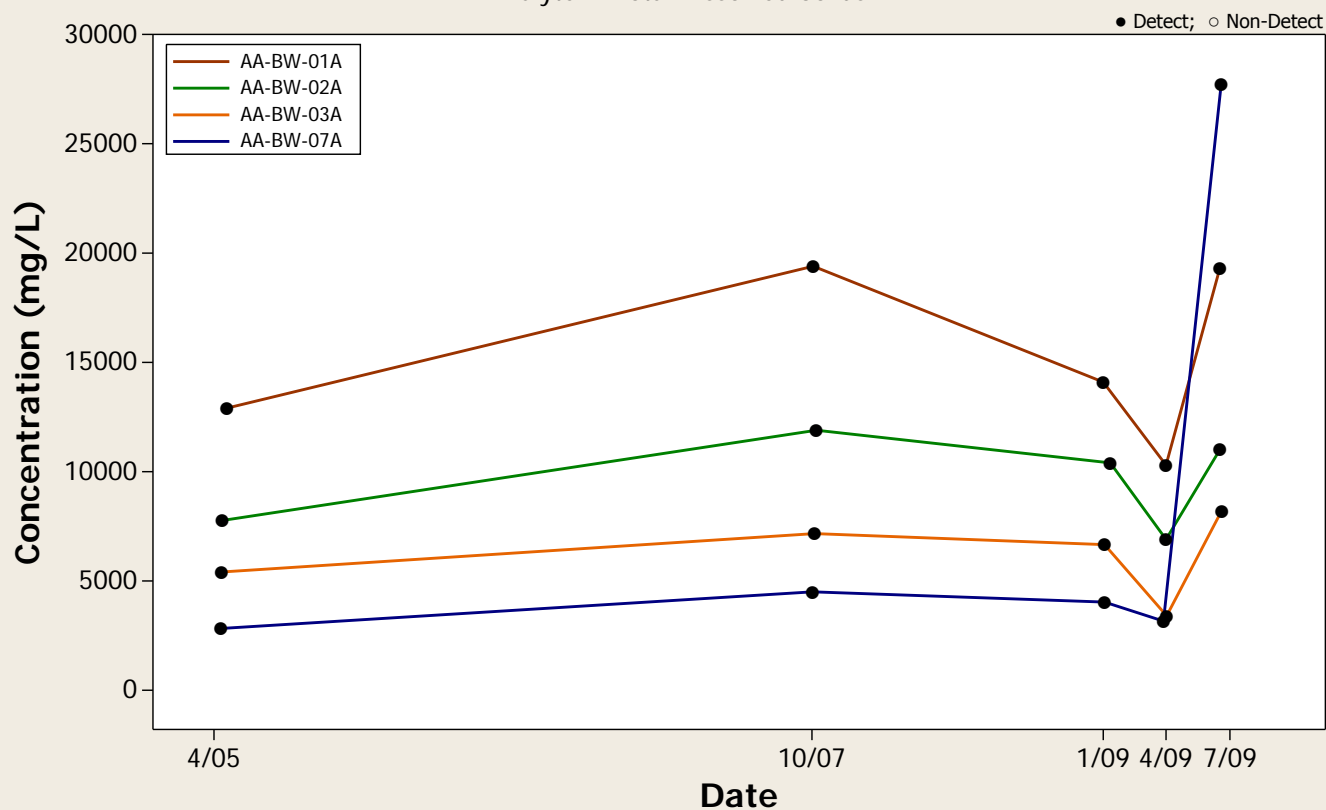
## Concentration Trend Graph - Upgradient Wells

Analyte = Total Dissolved Solids



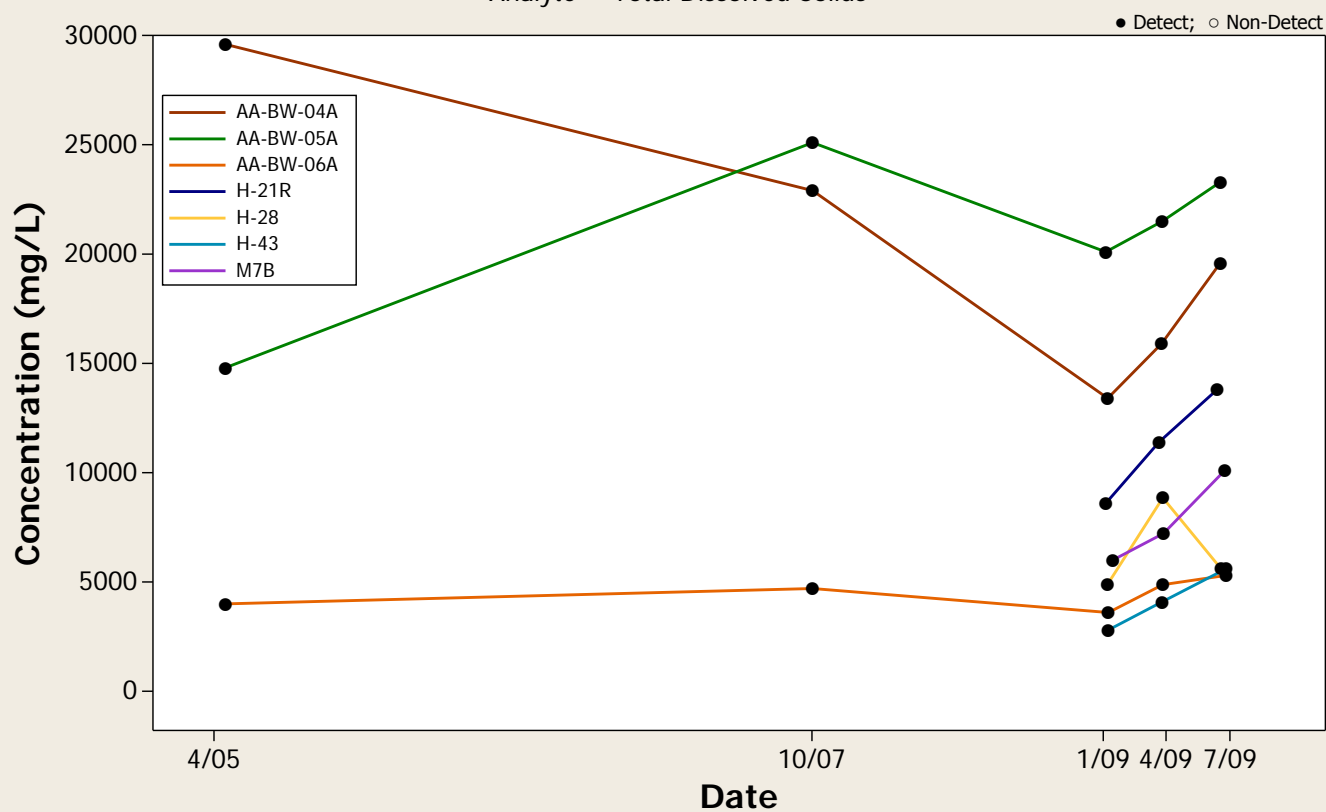
## Concentration Trend Graph - Crossgradient Wells

Analyte = Total Dissolved Solids



## Concentration Trend Graph - Downgradient Wells

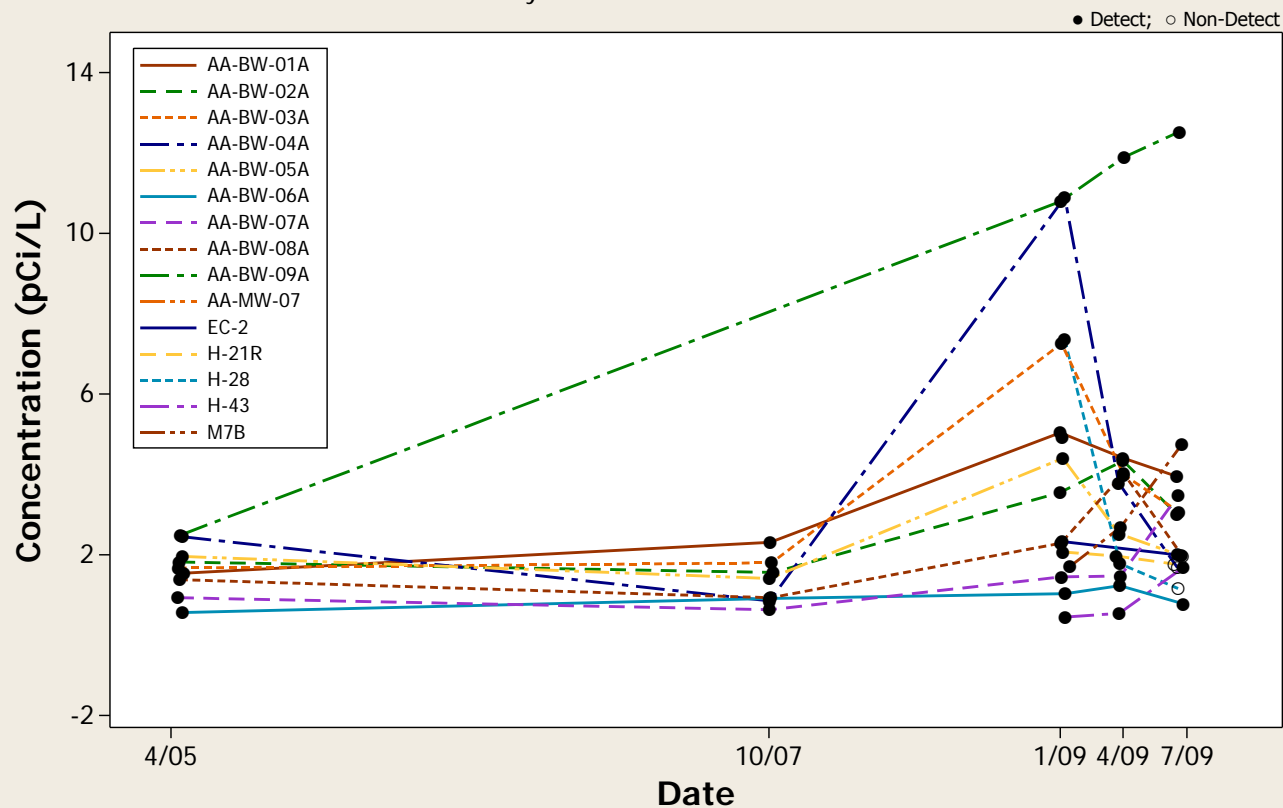
Analyte = Total Dissolved Solids





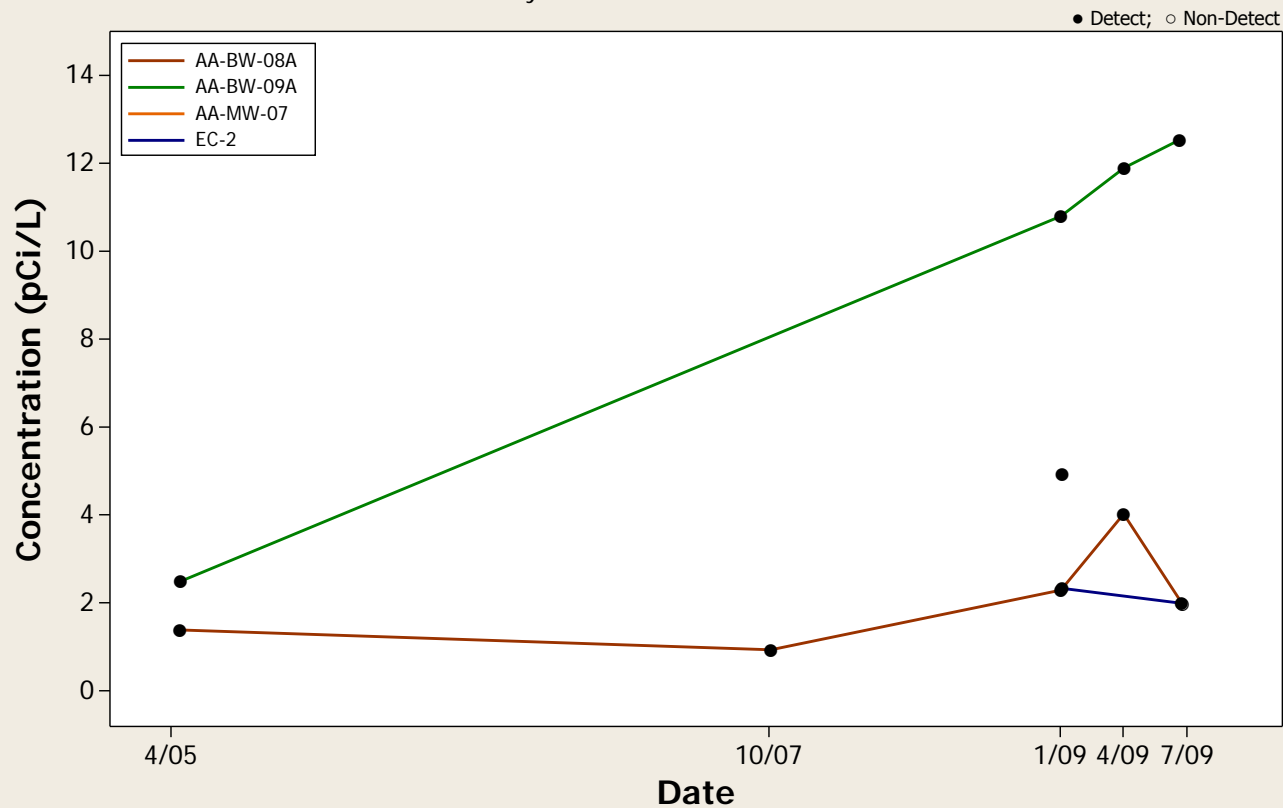
## Concentration Trend Graph - All Wells

Analyte = Radium-226/228



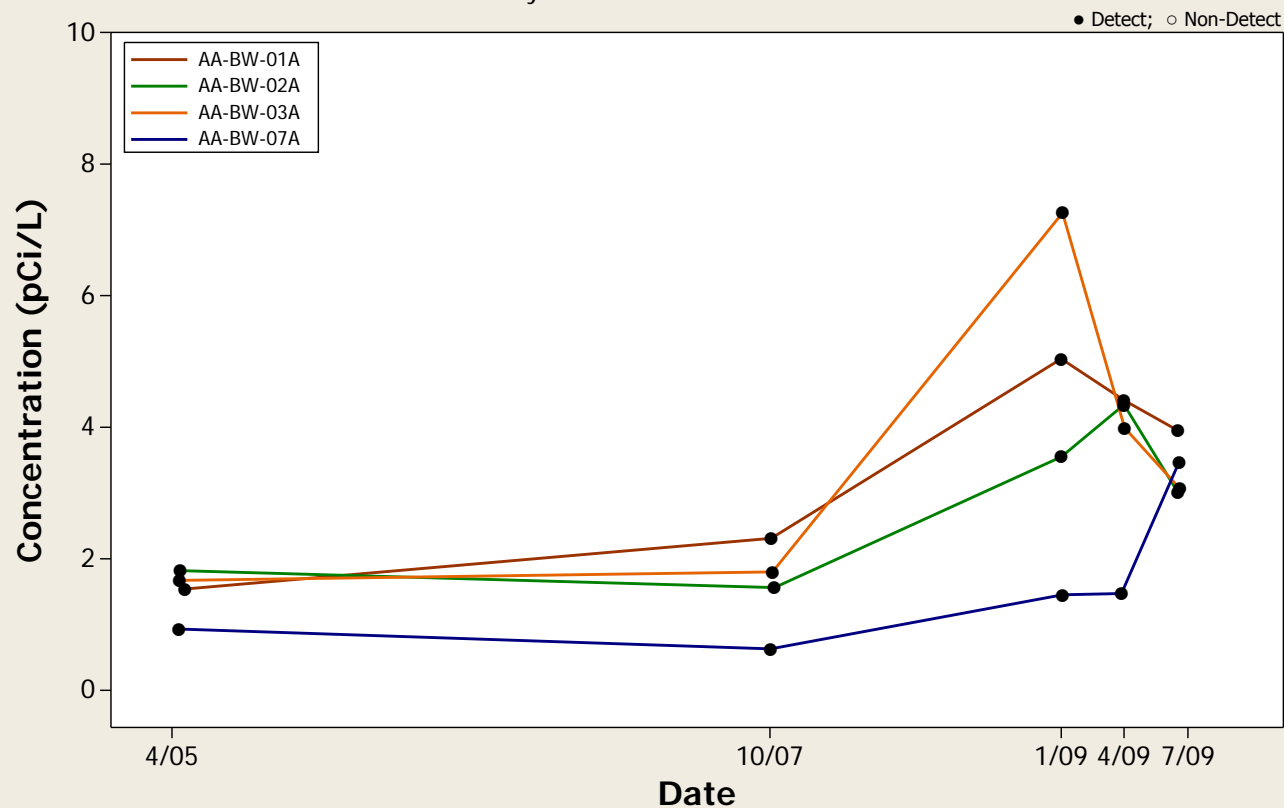
## Concentration Trend Graph - Upgradient Wells

Analyte = Radium-226/228



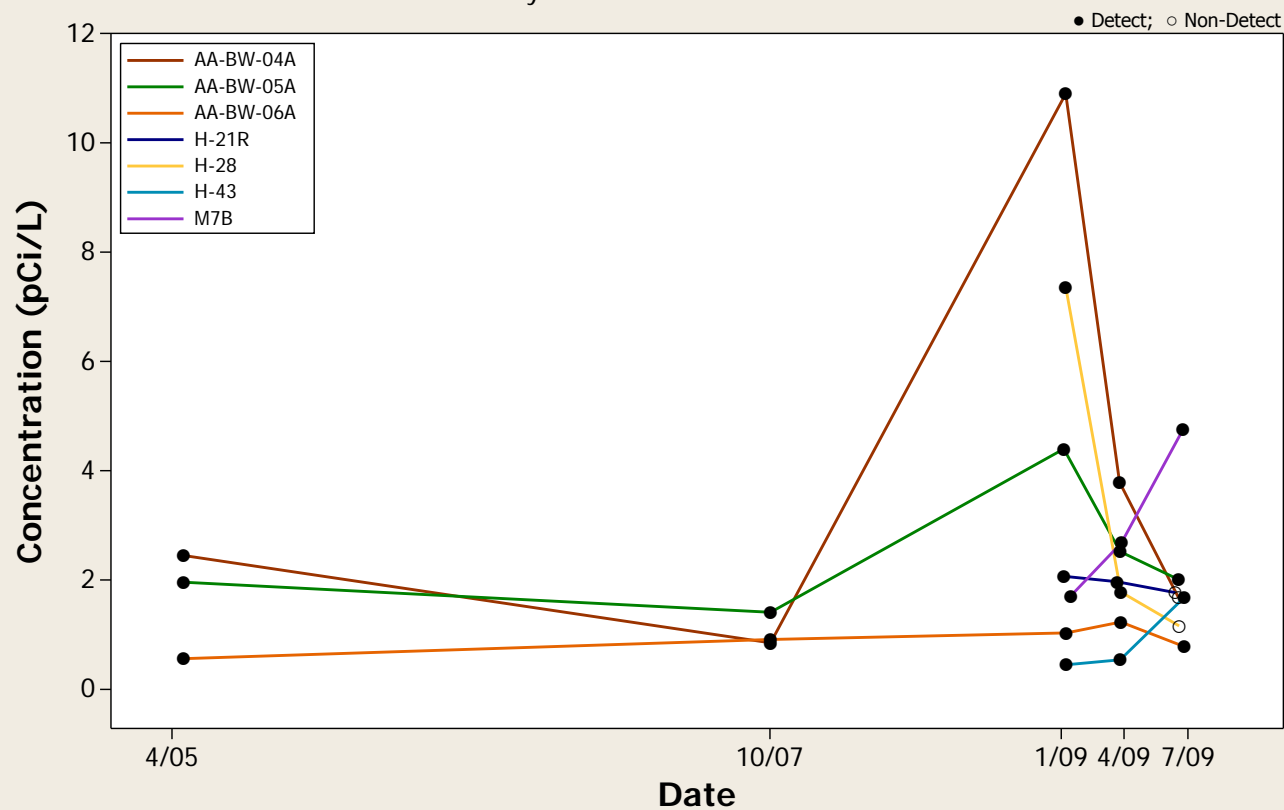
## Concentration Trend Graph - Crossgradient Wells

Analyte = Radium-226/228



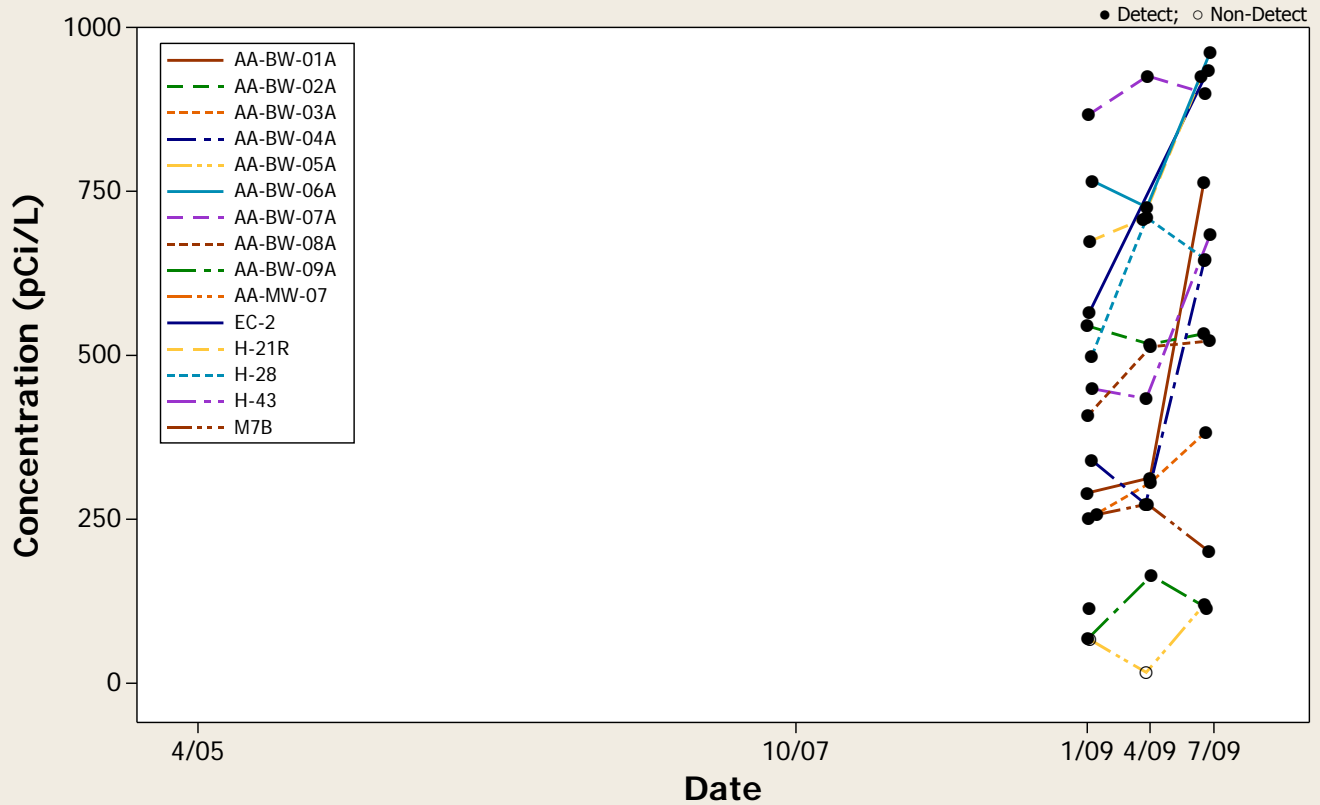
## Concentration Trend Graph - Downgradient Wells

Analyte = Radium-226/228



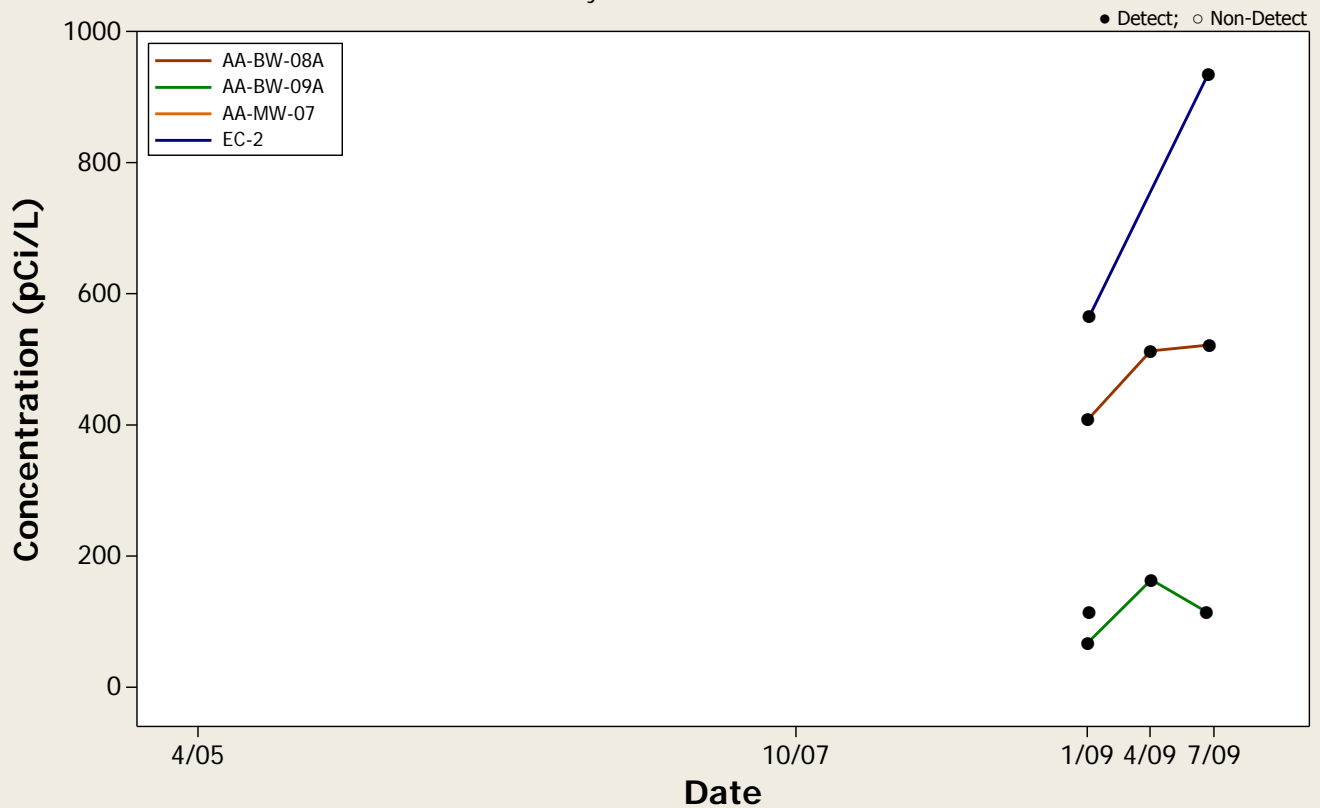
## Concentration Trend Graph - All Wells

Analyte = Radon-222



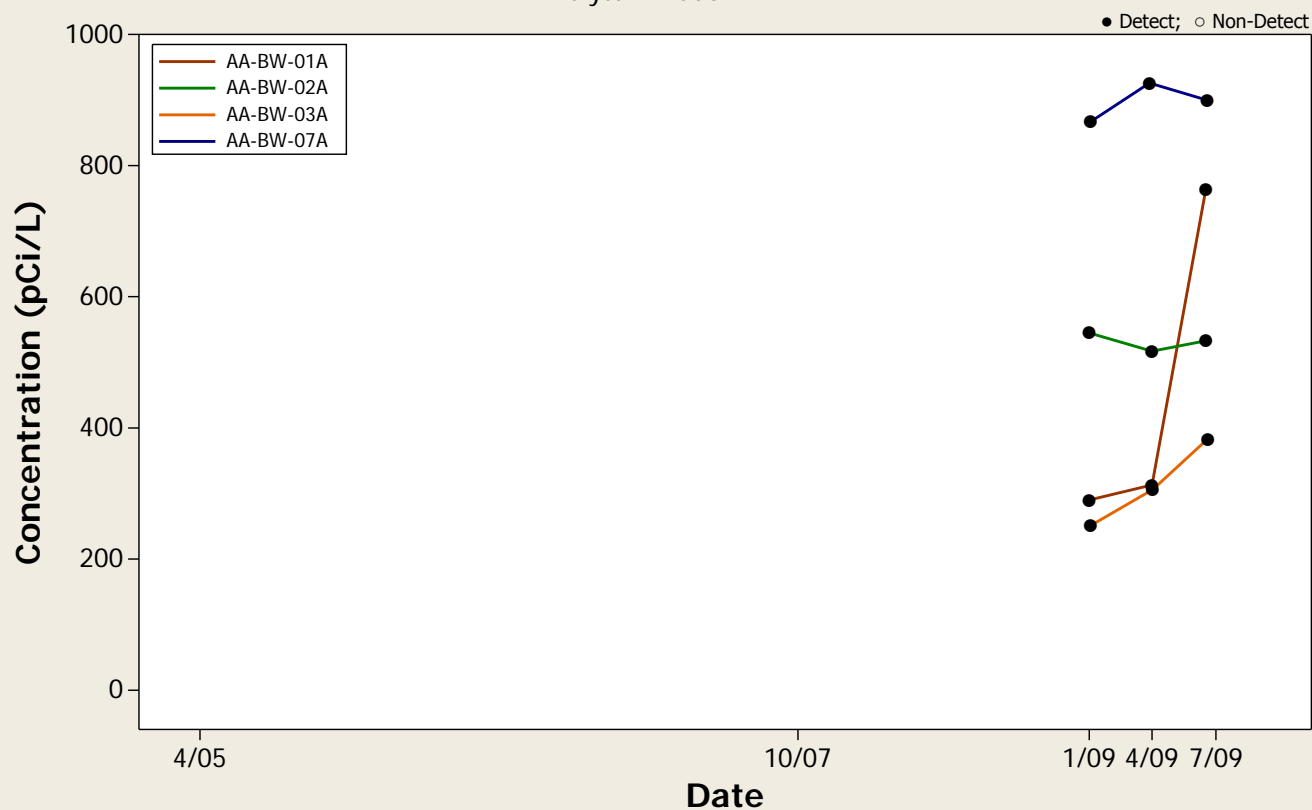
## Concentration Trend Graph - Upgradient Wells

Analyte = Radon-222



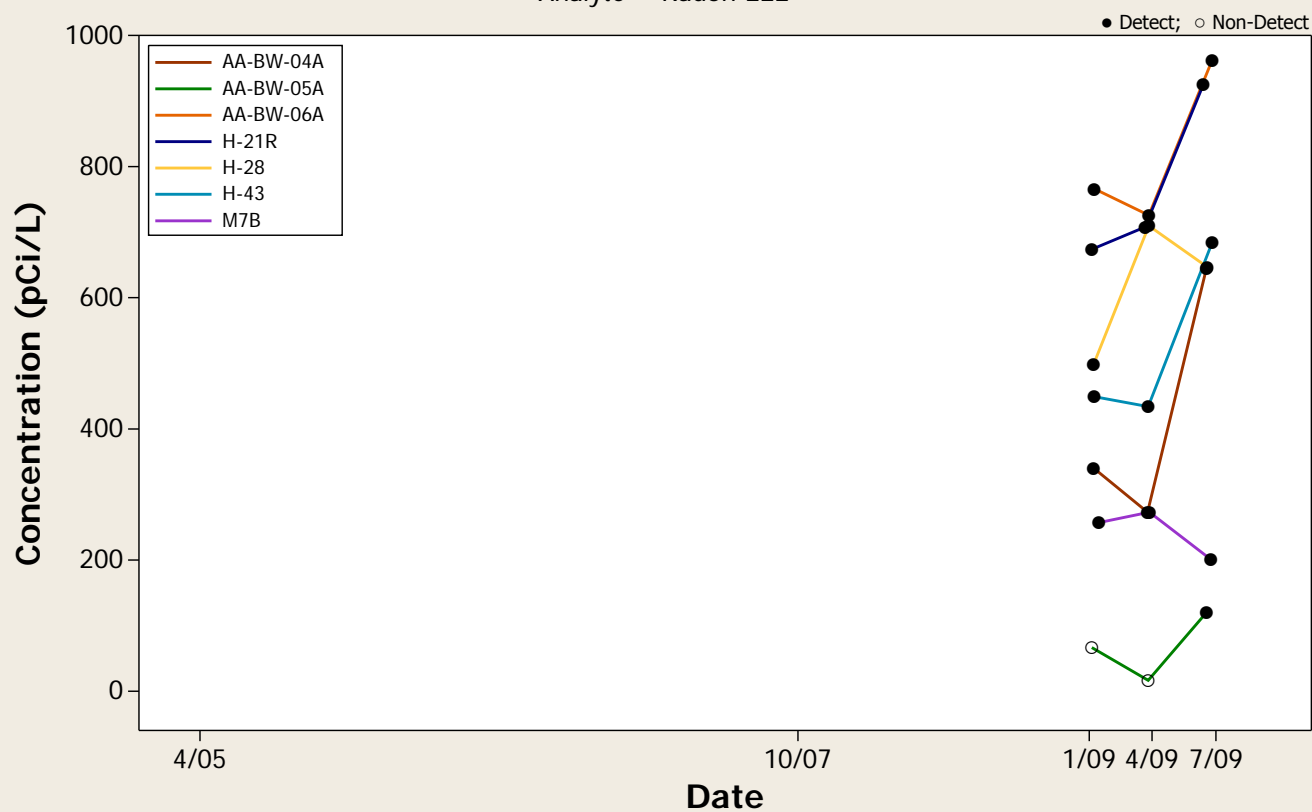
## Concentration Trend Graph - Crossgradient Wells

Analyte = Radon-222



## Concentration Trend Graph - Downgradient Wells

Analyte = Radon-222



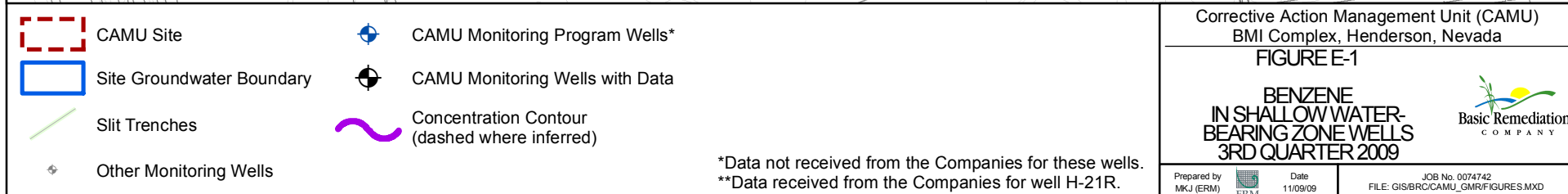
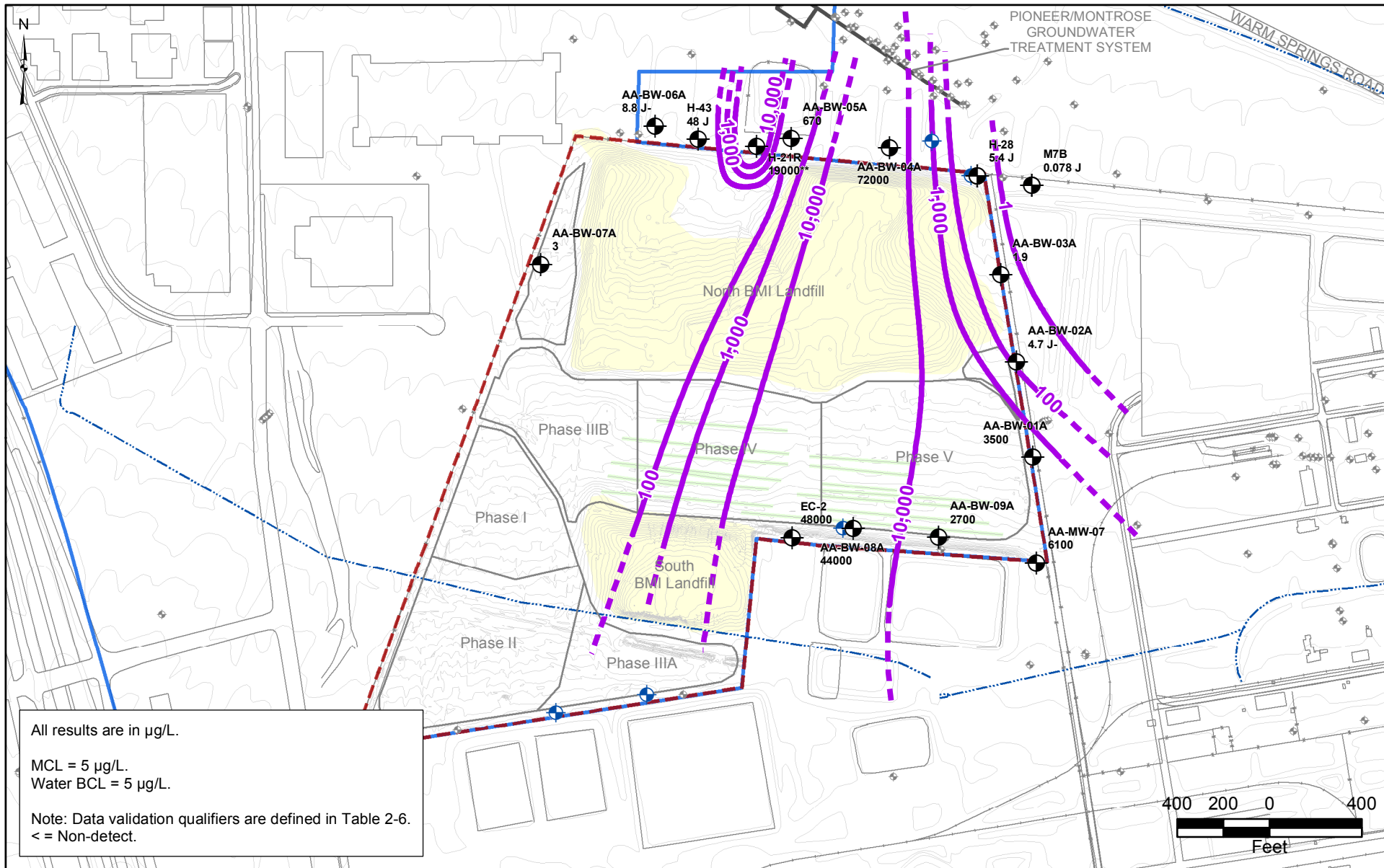
## APPENDIX E

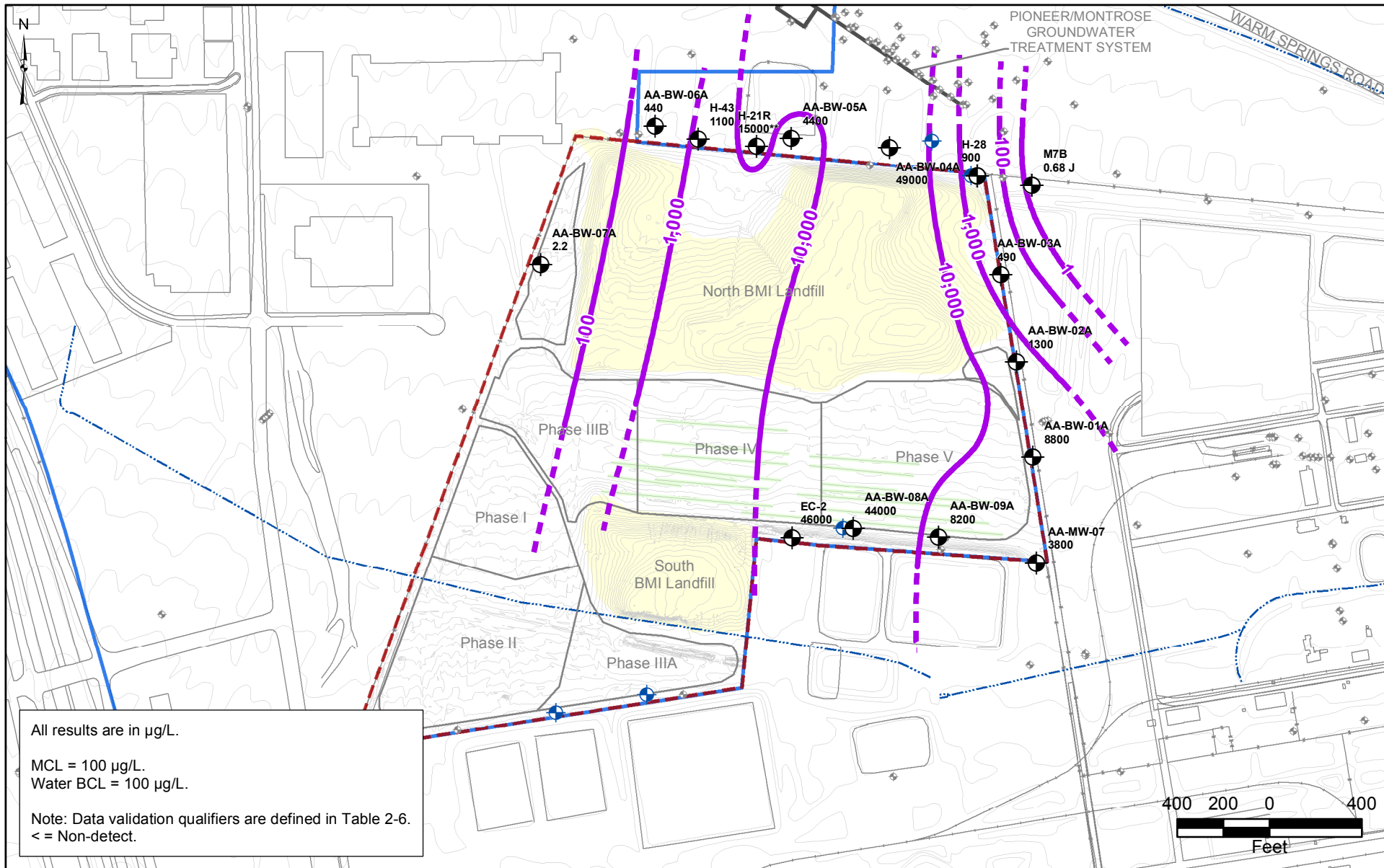
### CONCENTRATION FIGURES – 3<sup>RD</sup> QUARTER 2009

## **LIST OF FIGURES (APPENDIX E)**

- Figure E-1 Benzene Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-2 Chlorobenzene Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-3 Chloroform Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-4 1,4-Dichlorobenzene Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-5 Tetrachloroethylene (PCE) Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-6 Pentachlorophenol Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-7 alpha-BHC Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-8 Arsenic Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-9 Perchlorate Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-10 Total Dissolved Solids (TDS) Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-11 Radium-226/228 Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009
- Figure E-12 Radon-222 Detections in Shallow Water-Bearing Zone Wells–3<sup>rd</sup> Quarter 2009

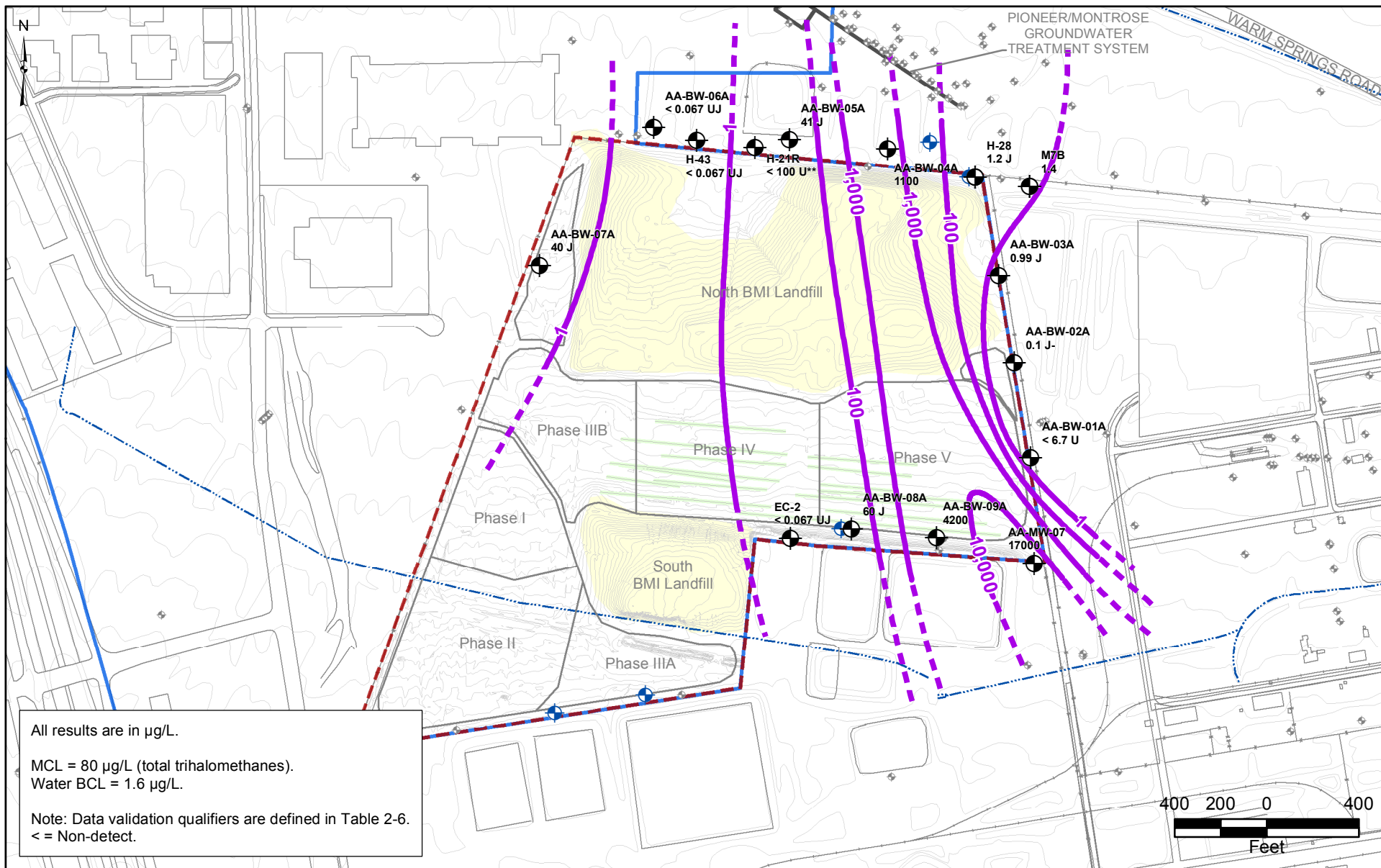






|   |  |   |
|---|--|---|
| CAMU Site<br>Site Groundwater Boundary<br>Slit Trenches<br>Other Monitoring Wells | CAMU Monitoring Program Wells*<br>CAMU Monitoring Wells with Data<br>Concentration Contour (dashed where inferred) | <p>Corrective Action Management Unit (CAMU)<br/>BMI Complex, Henderson, Nevada</p> <p><b>FIGURE E-2</b></p> <p><b>CHLOROBENZENE<br/>IN SHALLOW WATER-<br/>BEARING ZONE WELLS<br/>3RD QUARTER 2009</b></p> <p>Prepared by<br/>MKJ (ERM)</p> <p>Date<br/>11/09/09</p> <p>JOB No. 0074742<br/>FILE: GIS\BRC\CAMU_GMR\FIGURES\MXD</p> <p> Basic Remediation<br/>COMPANY</p> |
|---|--|---|

\*Data not received from the Companies for these wells.  
\*\*Data received from the Companies for well H-21R.



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 Program Wells\*
- + CAMU Monitoring Wells with Data
- Concentration Contour (dashed where inferred)

\*Data not received from the Companies for these wells.  
\*\*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  
3RD QUARTER 2009



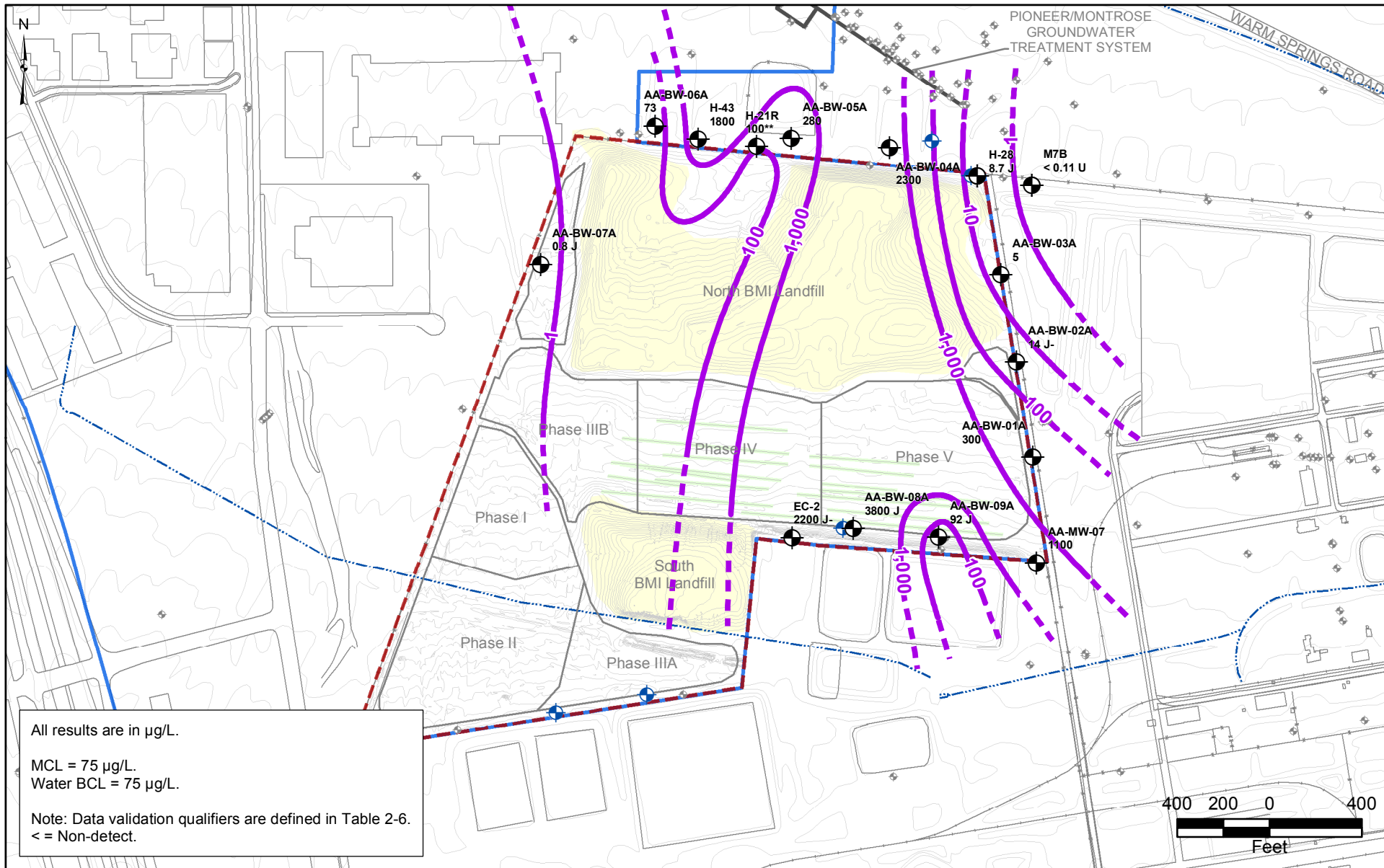
Prepared by  
MKJ (ERM)



Date  
11/09/09

JOB No. 0074742  
FILE: GIS/BRC/CAMU\_GMR/FIGURES.MXD





- CAMU Site
- Site Groundwater Boundary
- Slit Trenches
- ✦ Other Monitoring Wells
- ✦ CAMU Monitoring Program Wells\*
- ✦ CAMU Monitoring Wells with Data
- Concentration Contour (dashed where inferred)

\*Data not received from the Companies for these wells.  
\*\*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  
3RD QUARTER 2009

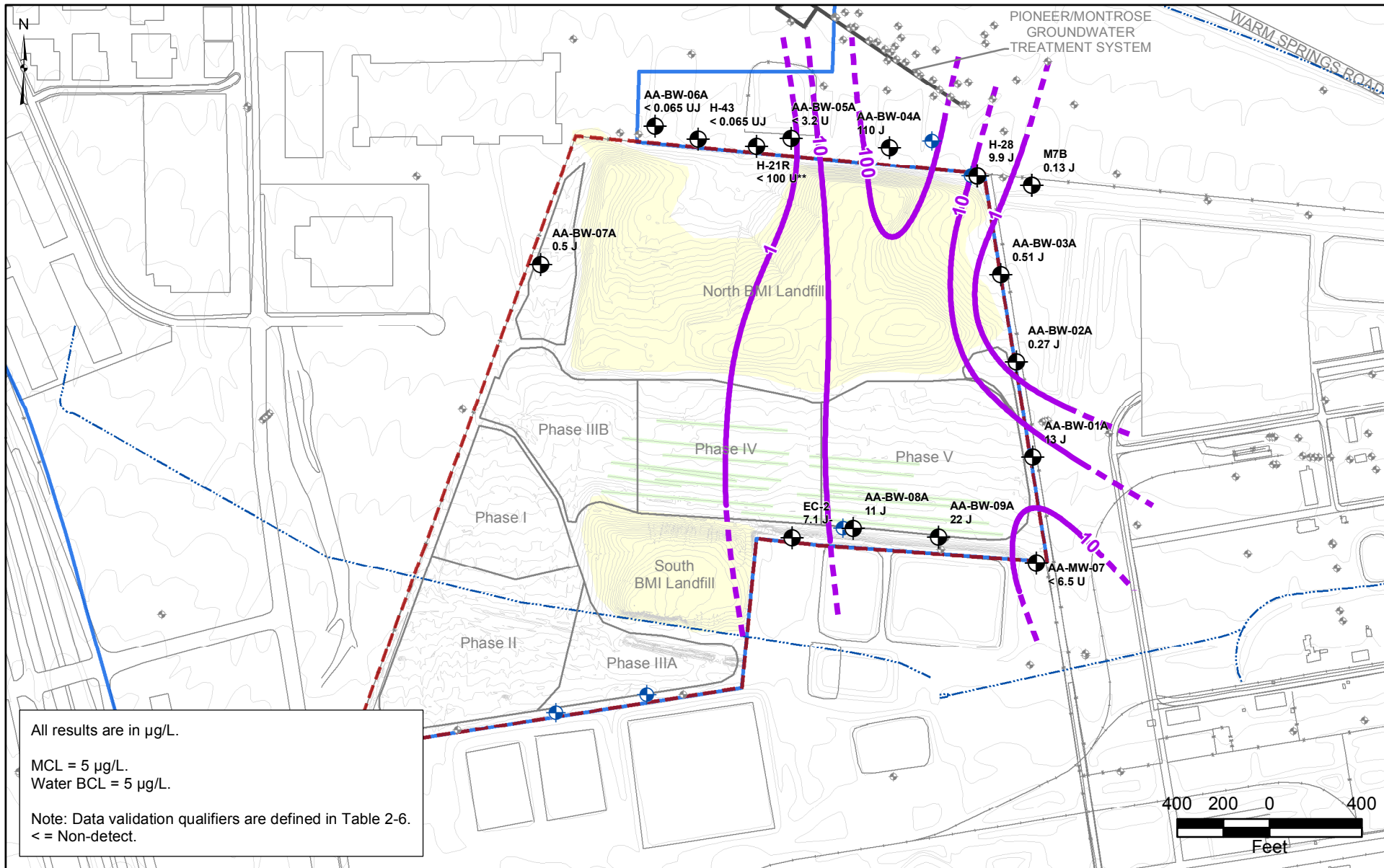


Prepared by  
MKJ (ERM)



Date  
11/09/09

JOB No. 0074742  
FILE: GIS/BRC/CAMU\_GMR/FIGURES.MXD



All results are in  $\mu\text{g/L}$ .

MCL = 5  $\mu\text{g/L}$ .  
Water BCL = 5  $\mu\text{g/L}$ .

Note: Data validation qualifiers are defined in Table 2-6.  
< = Non-detect.

- CAMU Site
- Site Groundwater Boundary
- Slit Trenches
- + Other Monitoring Wells
- + CAMU Monitoring Program Wells\*
- + CAMU Monitoring Wells with Data
- Concentration Contour (dashed where inferred)

\*Data not received from the Companies for these wells.  
\*\*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  
3RD QUARTER 2009

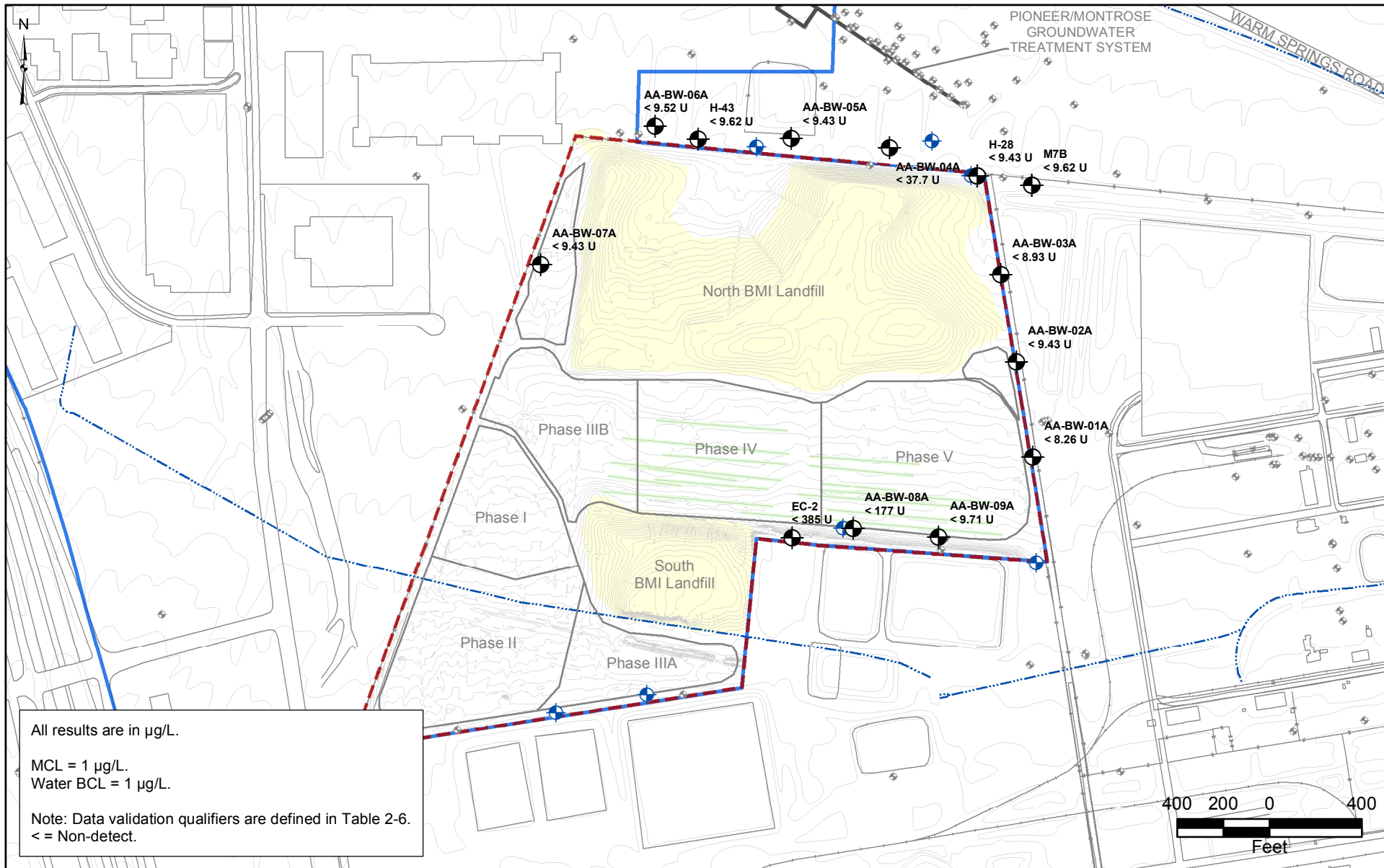


Prepared by  
MKJ (ERM)



Date  
11/09/09

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.

\*Data not received from the Companies for these wells.

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

FIGURE E-6

PENTACHLOROPHENOL  
IN SHALLOW WATER-  
BEARING ZONE WELLS  
3RD QUARTER 2009



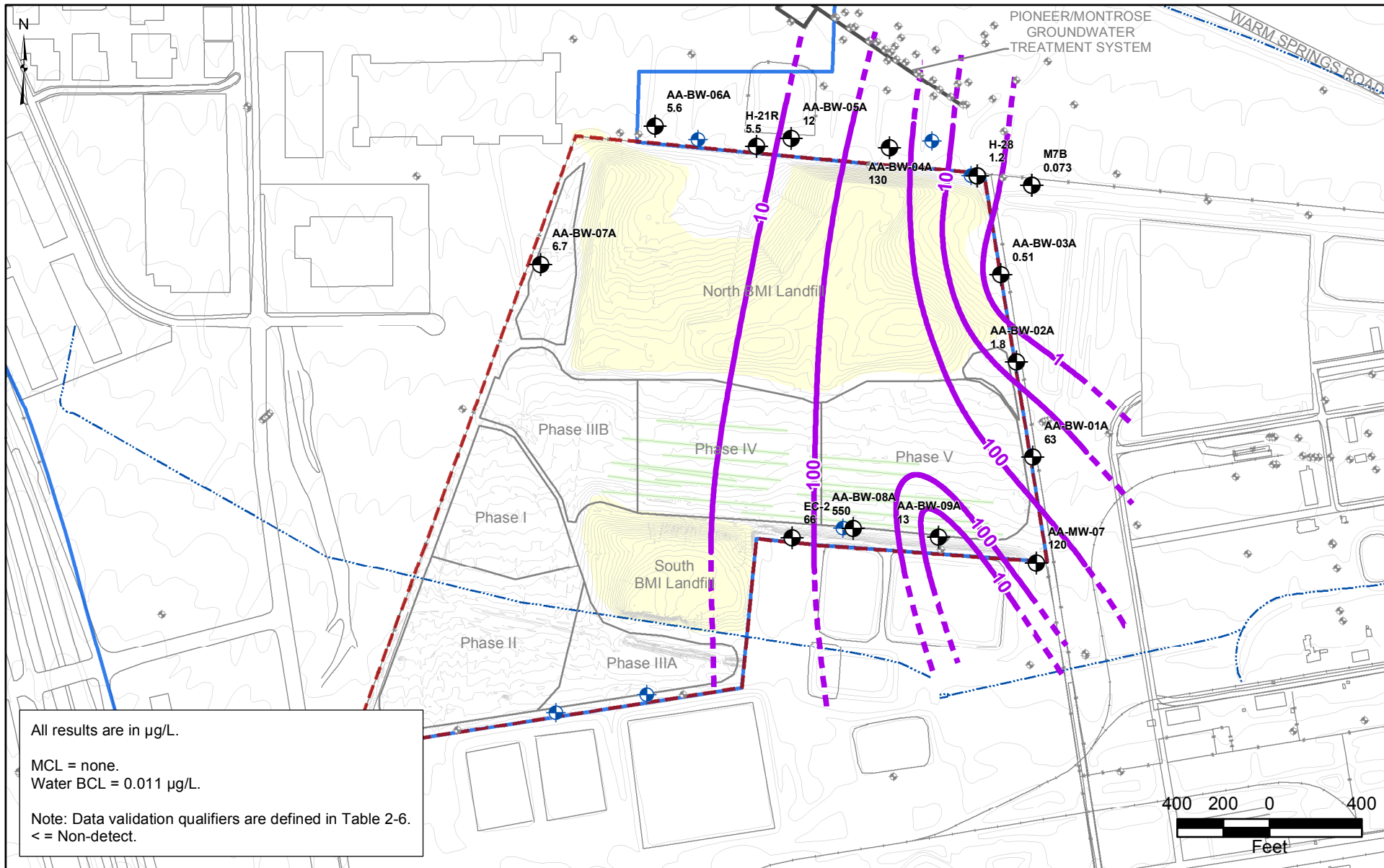
Prepared by  
MKJ (ERM)



Date  
11/09/09

JOB No. 0074742  
FILE: GIS\BRC\CAMU\_GMR\FIGURES\MXD





- |  |                           |  |   |
|--|---------------------------|--|---|
|  | CAMU Site                 |  | CAMU Monitoring Program Wells*                |
|  | Site Groundwater Boundary |  | CAMU Monitoring Wells with Data               |
|  | Slit Trenches             |  | Concentration Contour (dashed where inferred) |
|  | Other Monitoring Wells    |  |   |

\*Data not received from the Companies for these wells.

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

FIGURE E-7

alpha-BHC  
IN SHALLOW WATER-  
BEARING ZONE WELLS  
3RD QUARTER 2009

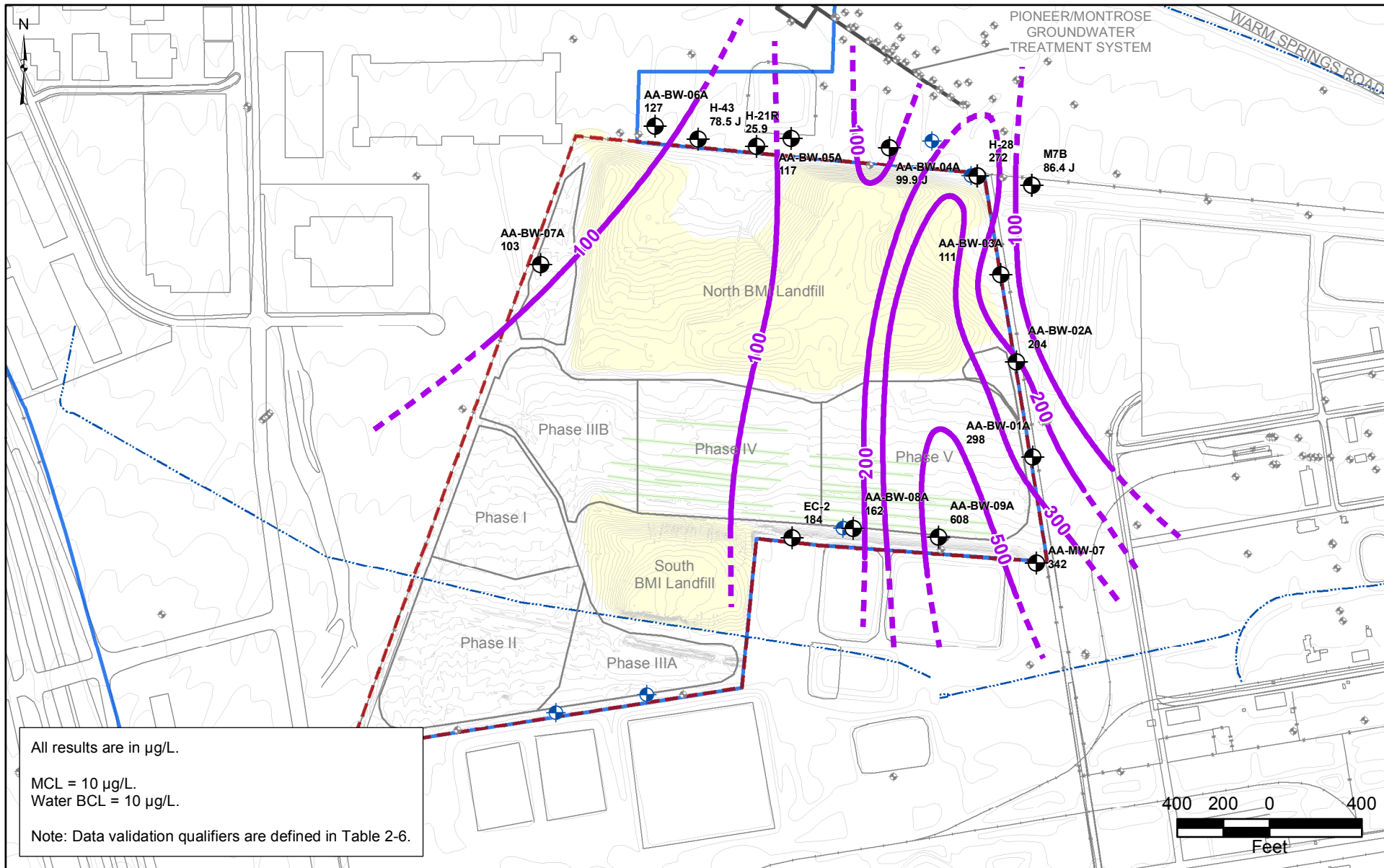


Prepared by  
MKJ (ERM)



Date  
11/09/09

JOB No. 0074742  
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
- Concentration Contour (dashed where inferred)
- CAMU Monitoring Program Wells\*
- CAMU Monitoring Wells with Data
- Other Monitoring Wells

\*Data not received from the Companies for these wells.

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

FIGURE E-8

ARSENIC  
IN SHALLOW WATER-  
BEARING ZONE WELLS  
3RD QUARTER 2009

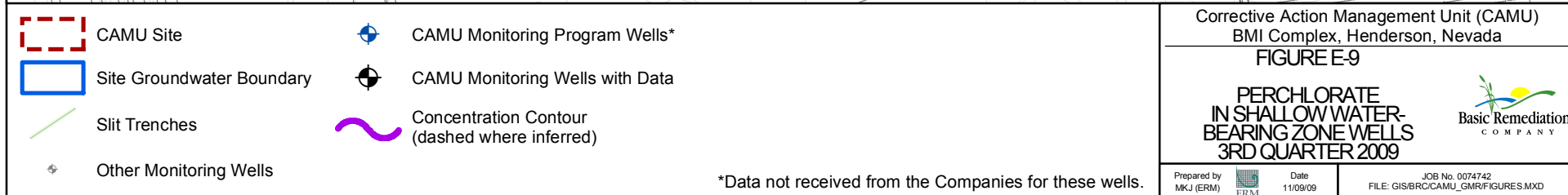
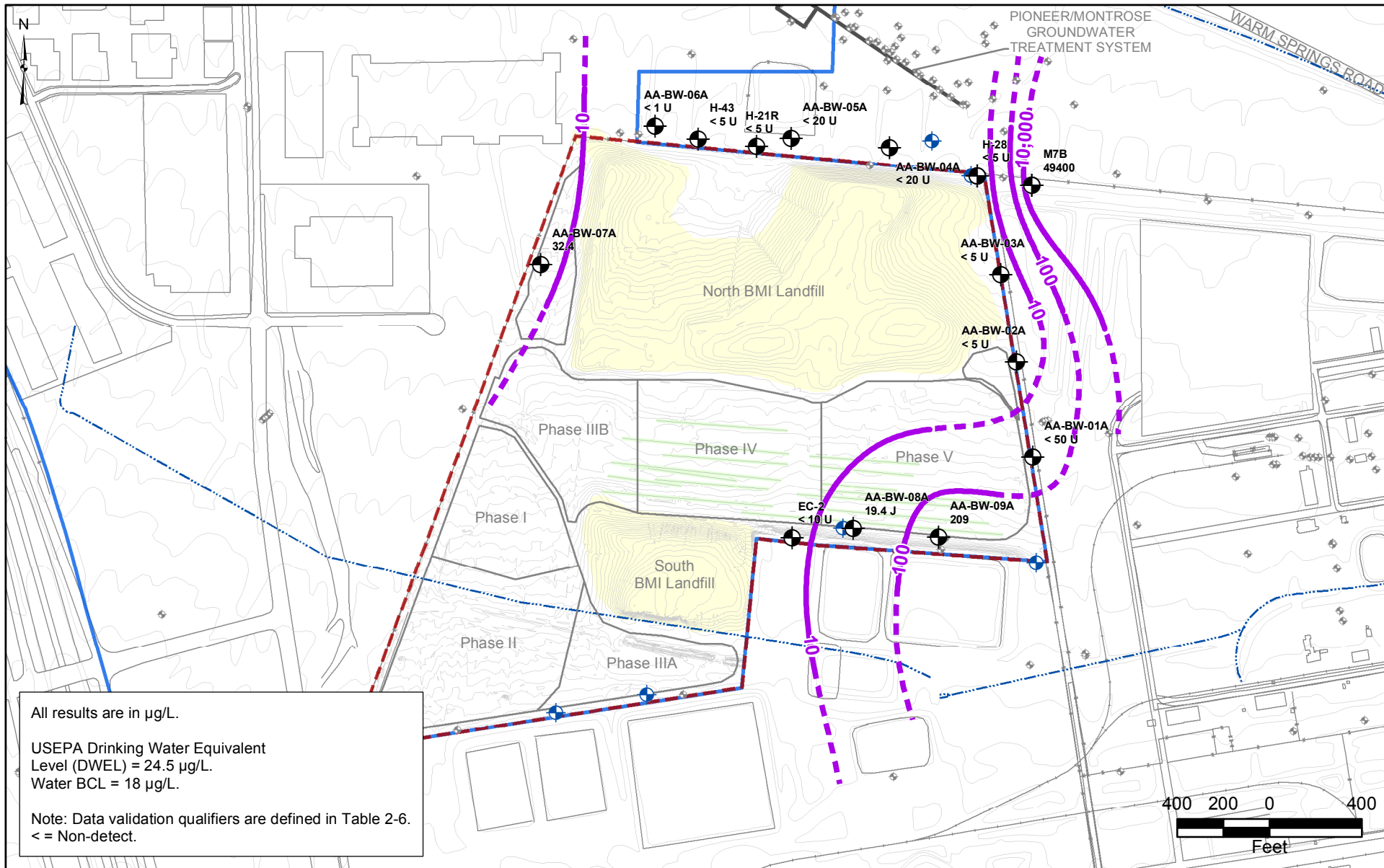


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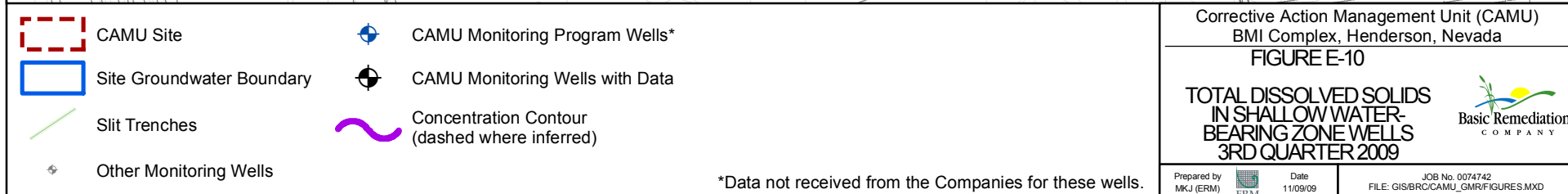
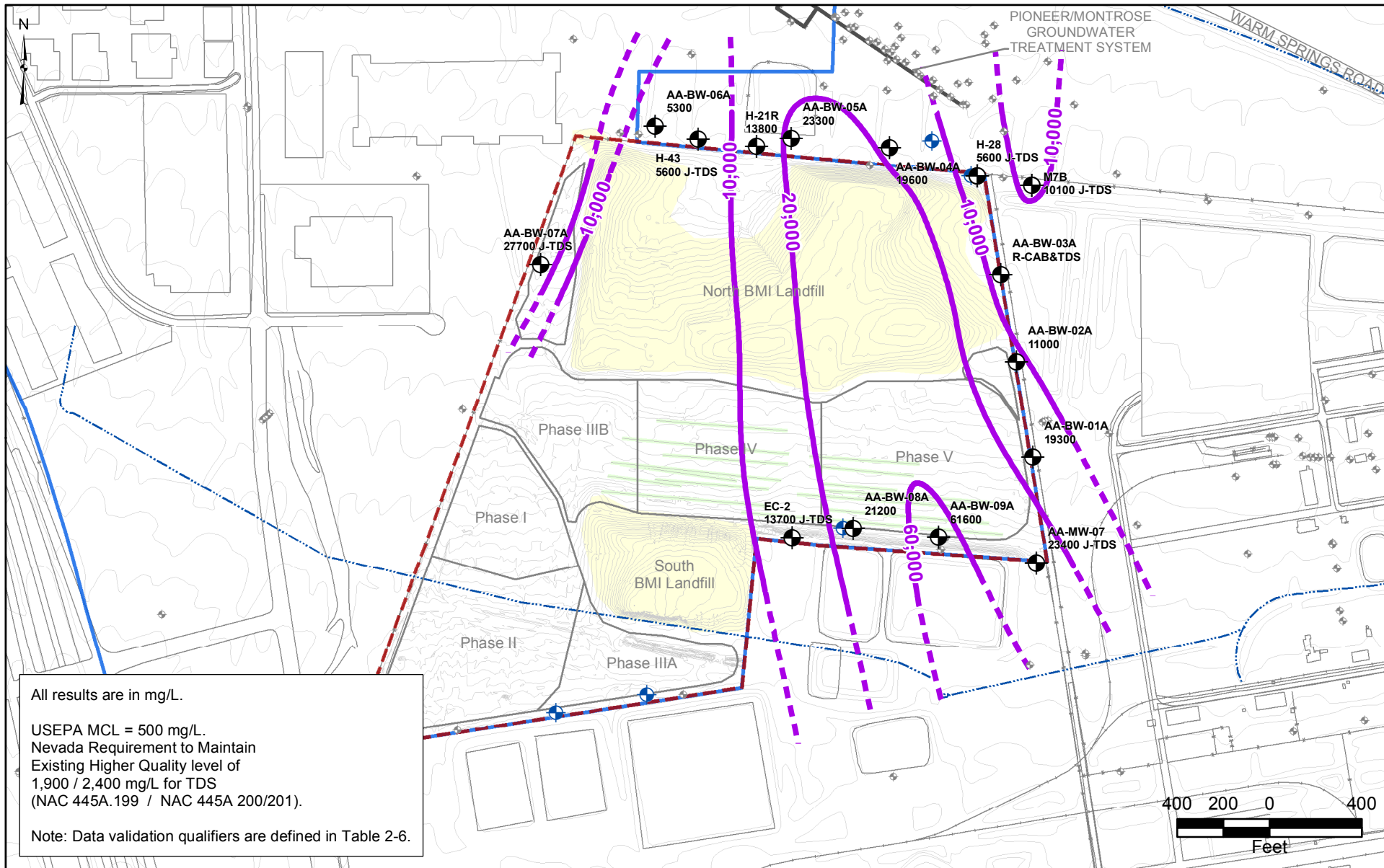


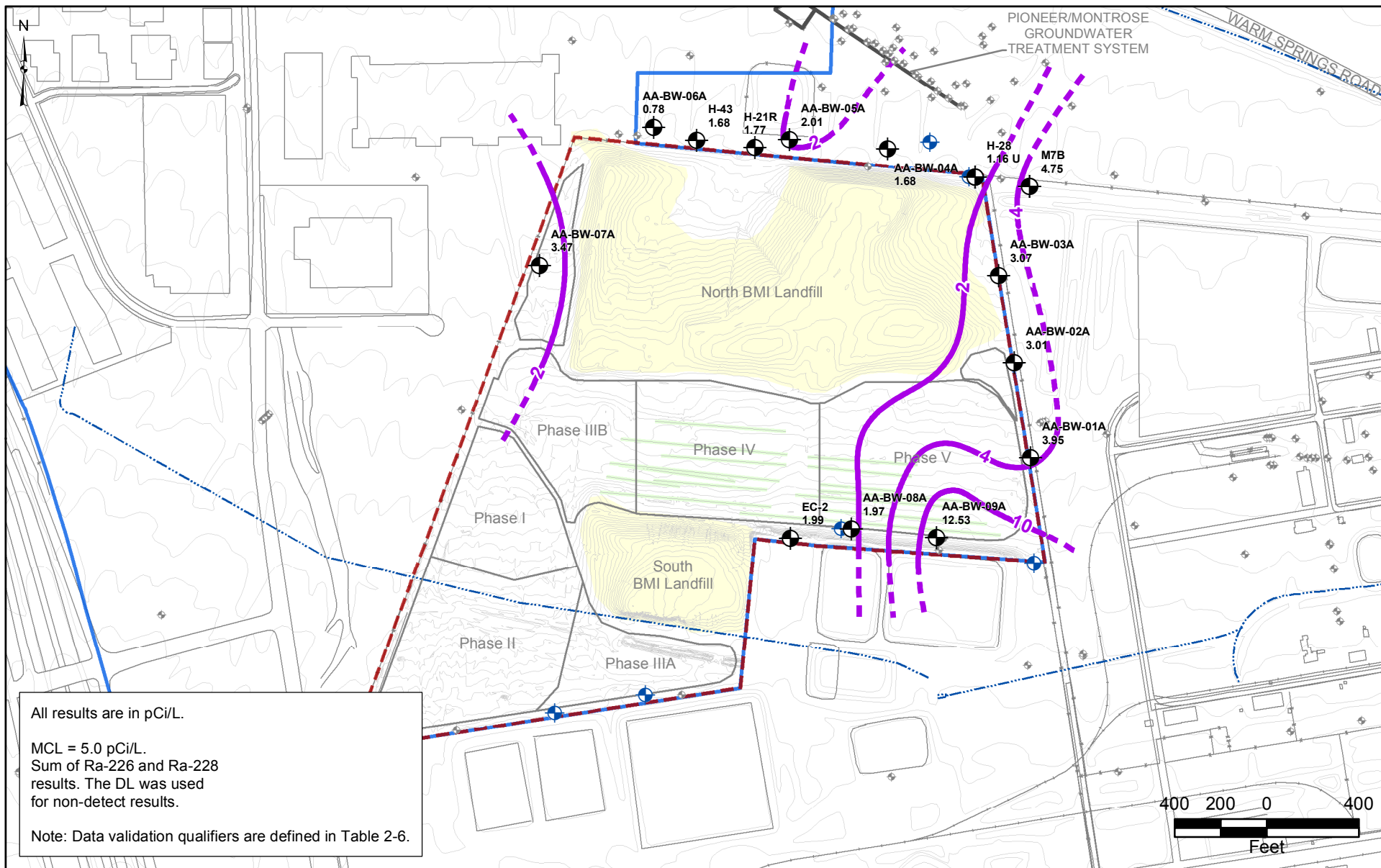
Date  
11/09/09

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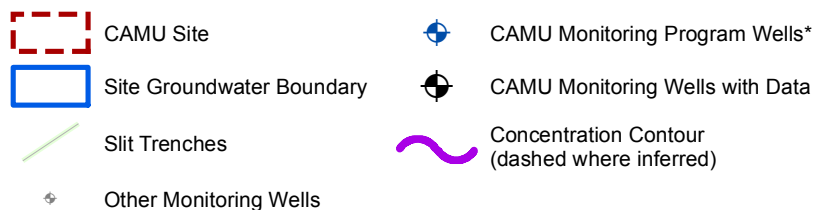




All results are in pCi/L.

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.



\*Data not received from the Companies for these wells.

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

FIGURE E-11

RADIUM-226/228  
IN SHALLOW WATER-  
BEARING ZONE WELLS  
3RD QUARTER 2009



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